

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-0320L-40-80-2S-VHE**

Issue Date: 10/30/2020

Test Information

Test Method: LM-79-08
Report Number: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-0320L-40-80-2S-VHE
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 2S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

| | | | |
|-------------------|--------------------------------------|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 3H x 3V |
| Luminaire Lumens: | 48331 lumens | Max Intensity: | 276516.4 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 142.6 lumens/watt | | |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') | | |

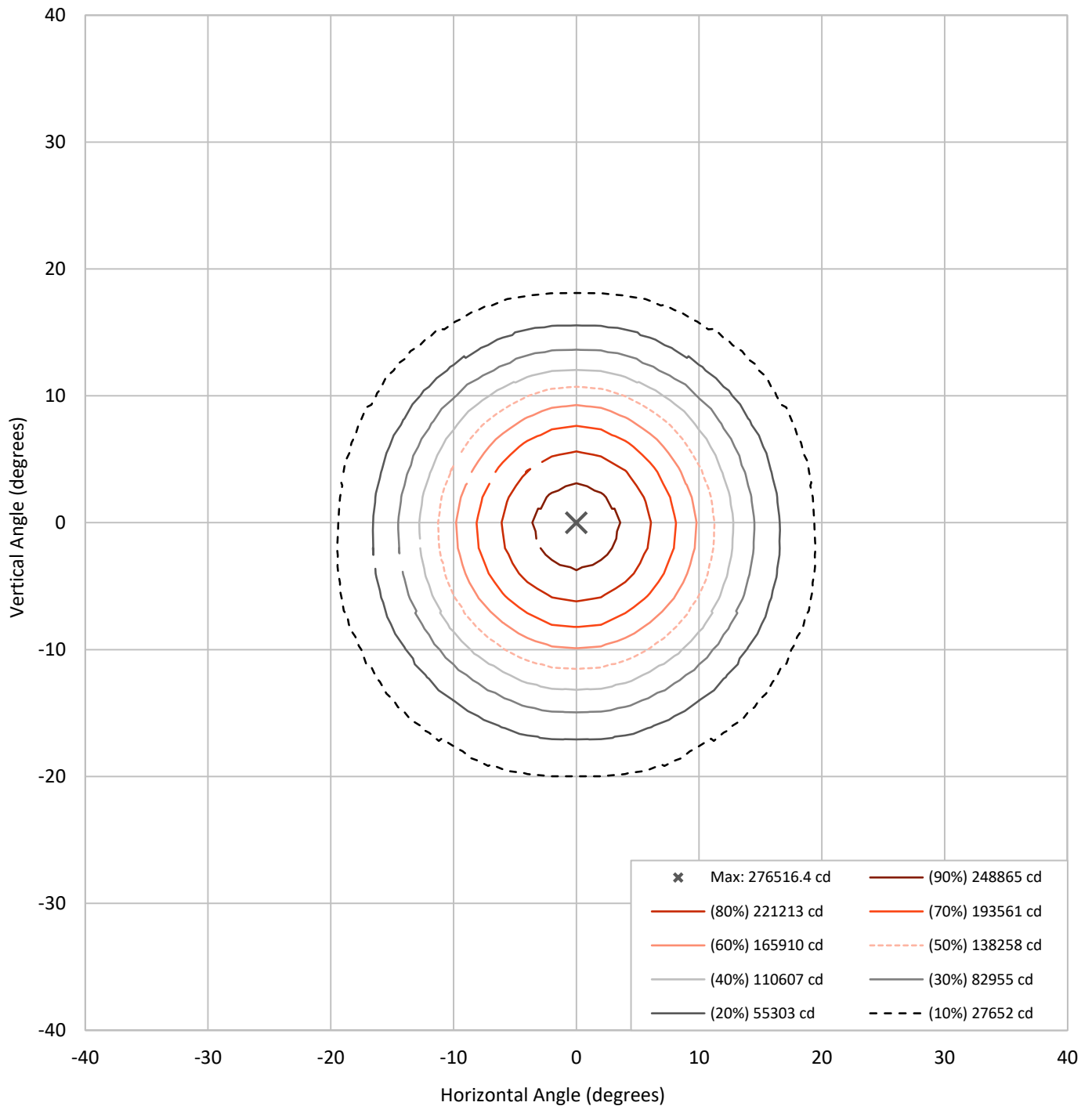
| | | | |
|-------------------|-----------------|--------------------|-----------------|
| Beam Angle (50%): | 22.5°H x 22.2°V | Field Angle (10%): | 38.8°H x 38.1°V |
| Beam Lumens: | 22584.3 lumens | Field Lumens: | 40233.4 lumens |
| Beam Efficiency: | 46.7% | Field Efficiency: | 83.2% |

Input Watts (W): 339
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

Iso-Candela Plot





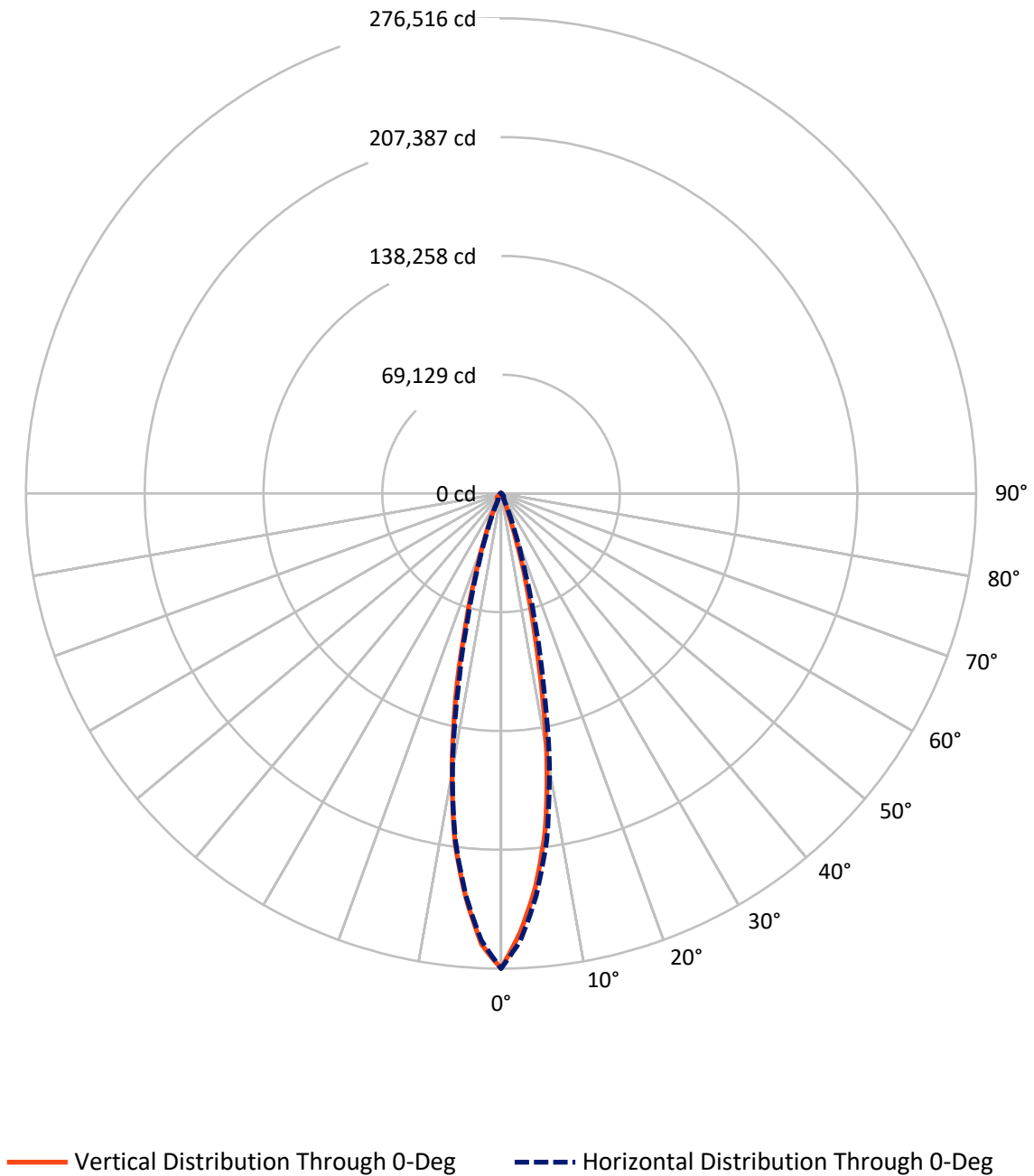
REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

Lumen Table

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|------|------|------|-------|--------|--------|--------|--------|-------|------|------|------|-----|-----|----|----|----|
| 90 | 0.1 | 0.4 | | 0.7 | | 1.0 | | 1.3 | | 1.0 | | 0.7 | | 0.4 | | 0.1 | | | |
| 80 | 0.1 | 0.4 | | 0.7 | | 1.0 | | 1.3 | | 1.0 | | 0.7 | | 0.4 | | 0.1 | | | |
| 70 | 0.1 | 0.1 | 0.1 | 0.3 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.3 | 0.1 | 0.1 | 0.1 | | | |
| 60 | | 0.2 | 0.4 | 0.6 | 0.5 | 0.4 | 0.5 | 0.6 | 0.6 | 0.5 | 0.4 | 0.5 | 0.6 | 0.4 | 0.2 | | | | |
| 50 | 0.4 | 0.6 | 1.4 | 2.9 | 5.1 | 8.3 | 12.8 | 15.0 | 15.0 | 12.8 | 8.3 | 5.1 | 2.9 | 1.4 | 0.6 | 0.4 | | | |
| 40 | | 1.5 | 4.8 | 9.2 | 18.0 | 31.3 | 38.1 | 42.2 | 42.2 | 38.1 | 31.3 | 18.0 | 9.2 | 4.8 | 1.5 | | | | |
| 30 | 1.0 | 2.6 | 7.9 | 16.8 | 41.1 | 47.8 | 65.9 | 120.4 | 120.4 | 65.9 | 47.8 | 41.1 | 16.8 | 7.9 | 2.6 | 1.0 | | | |
| 20 | | 3.5 | 10.3 | 29.4 | 57.9 | 85.1 | 539.7 | 1740.6 | 1740.6 | 539.7 | 85.1 | 57.9 | 29.4 | 10.3 | 3.5 | | | | |
| 10 | 1.4 | 4.2 | 11.9 | 38.5 | 66.3 | 190.2 | 1911.8 | 5747.3 | 5747.3 | 1911.8 | 190.2 | 66.3 | 38.5 | 11.9 | 4.2 | 1.4 | | | |
| 0 | | 4.6 | 13.1 | 40.6 | 73.0 | 218.1 | 2082.1 | 5977.0 | 5977.0 | 2082.1 | 218.1 | 73.0 | 40.6 | 13.1 | 4.6 | | | | |
| -10 | 1.5 | 4.6 | 13.6 | 39.1 | 76.8 | 124.9 | 763.1 | 2235.5 | 2235.5 | 763.1 | 124.9 | 76.8 | 39.1 | 13.6 | 4.6 | 1.5 | | | |
| -20 | | 4.3 | 13.4 | 29.9 | 72.4 | 99.3 | 137.9 | 275.8 | 275.8 | 137.9 | 99.3 | 72.4 | 29.9 | 13.4 | 4.3 | | | | |
| -30 | 1.2 | 3.6 | 11.7 | 23.4 | 50.6 | 89.1 | 104.4 | 109.5 | 109.5 | 104.4 | 89.1 | 50.6 | 23.4 | 11.7 | 3.6 | 1.2 | | | |
| -40 | | 2.8 | 8.9 | 18.9 | 30.2 | 46.4 | 70.6 | 88.6 | 88.6 | 70.6 | 46.4 | 30.2 | 18.9 | 8.9 | 2.8 | | | | |
| -50 | 1.0 | 1.8 | 5.6 | 12.4 | 21.1 | 28.6 | 34.1 | 37.7 | 37.7 | 34.1 | 28.6 | 21.1 | 12.4 | 5.6 | 1.8 | 1.0 | | | |
| -60 | | 1.2 | 2.8 | 6.2 | 10.8 | 15.2 | 19.1 | 21.4 | 21.4 | 19.1 | 15.2 | 10.8 | 6.2 | 2.8 | 1.2 | | | | |
| -70 | 0.7 | 4.4 | | 10.7 | | 17.9 | | 21.9 | | 17.9 | | 10.7 | | 4.4 | | 0.7 | | | |
| -80 | | 4.4 | | 10.7 | | 17.9 | | 21.9 | | 17.9 | | 10.7 | | 4.4 | | | | | |
| -90 | 0.7 | 4.4 | | 10.7 | | 17.9 | | 21.9 | | 17.9 | | 10.7 | | 4.4 | | 0.7 | | | |
| | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |

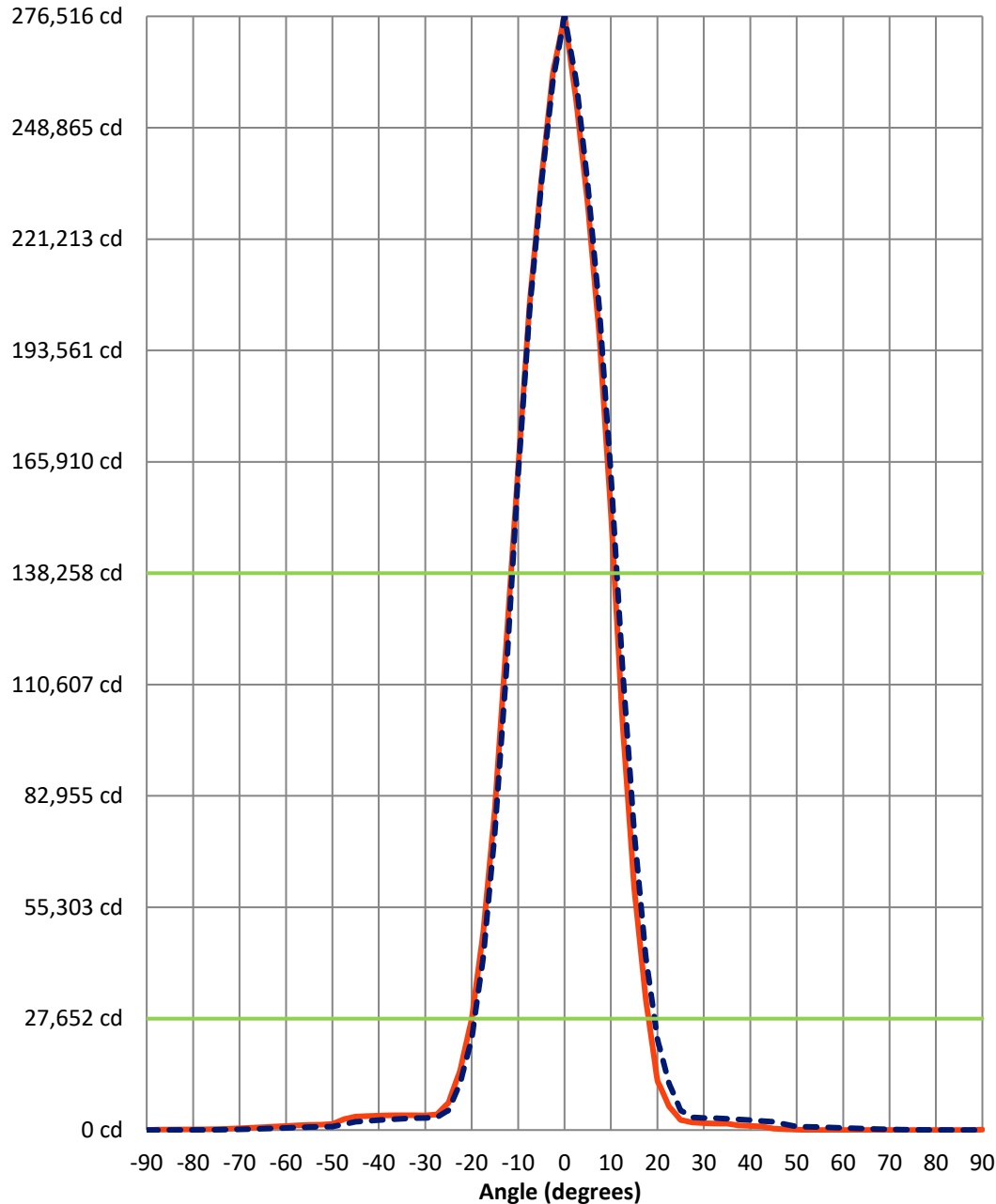
REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 22.5°
 V Angle: 22.2°
 Lumens: 22584.3
 Efficiency: 46.7%

Field:
 H Angle: 38.8°
 V Angle: 38.1°
 Lumens: 40233.4
 Efficiency: 83.2%

Spill:
 Lumens: 8097.6
 Efficiency: 16.8%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

FIELD
 BEAM

CANDELA DISTRIBUTION:

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|-------|
| 90° | 2.8 | 5.9 | 9.0 | 15.5 | 22.0 | 27.6 | 33.3 | 37.6 | 41.8 | 45.2 | 48.5 |
| 87.5° | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 3.0 | 2.9 | 2.8 | 2.8 | 2.8 |
| 85° | 2.8 | 3.0 | 3.0 | 3.0 | 3.0 | 3.1 | 3.1 | 3.0 | 2.8 | 2.8 | 2.8 |
| 82.5° | 2.8 | 3.0 | 3.1 | 3.2 | 3.1 | 3.2 | 3.3 | 3.1 | 2.8 | 2.9 | 3.0 |
| 80° | 2.8 | 3.1 | 3.2 | 3.3 | 3.2 | 3.3 | 3.4 | 3.3 | 3.3 | 3.3 | 3.2 |
| 77.5° | 2.8 | 3.2 | 3.3 | 3.4 | 3.3 | 3.5 | 3.6 | 3.6 | 3.7 | 3.7 | 3.5 |
| 75° | 2.8 | 3.3 | 3.4 | 3.5 | 3.5 | 3.7 | 3.7 | 3.8 | 4.0 | 3.9 | 3.8 |
| 72.5° | 2.8 | 3.3 | 3.6 | 3.6 | 3.7 | 3.8 | 3.9 | 4.1 | 4.2 | 4.2 | 4.1 |
| 70° | 2.8 | 3.4 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.3 | 4.4 | 4.4 | 4.3 |
| 67.5° | 2.8 | 3.5 | 3.8 | 3.9 | 4.1 | 4.2 | 4.4 | 4.6 | 4.7 | 4.8 | 4.7 |
| 65° | 2.8 | 3.6 | 3.9 | 4.1 | 4.3 | 4.5 | 4.8 | 4.9 | 5.3 | 5.2 | 5.2 |
| 62.5° | 2.8 | 3.6 | 4.0 | 4.2 | 4.5 | 4.8 | 5.1 | 5.5 | 5.9 | 5.8 | 6.1 |
| 60° | 2.8 | 3.7 | 4.1 | 4.4 | 4.6 | 5.2 | 5.5 | 6.3 | 6.6 | 7.0 | 7.1 |
| 57.5° | 2.8 | 3.8 | 4.3 | 4.5 | 5.0 | 5.5 | 6.4 | 7.2 | 8.0 | 8.4 | 9.5 |
| 55° | 2.8 | 3.9 | 4.5 | 4.7 | 5.4 | 5.9 | 7.5 | 8.2 | 9.7 | 10.5 | 12.7 |
| 52.5° | 2.8 | 3.9 | 4.6 | 4.8 | 5.9 | 6.4 | 8.6 | 10.0 | 11.4 | 14.4 | 16.2 |
| 50° | 2.8 | 4.0 | 4.8 | 4.9 | 6.3 | 7.6 | 9.8 | 11.9 | 14.0 | 18.7 | 23.2 |
| 47.5° | 2.8 | 4.1 | 5.0 | 5.1 | 6.8 | 8.8 | 11.2 | 13.9 | 18.4 | 23.3 | 31.5 |
| 45° | 2.8 | 4.2 | 5.3 | 5.5 | 7.3 | 10.1 | 13.0 | 16.0 | 23.2 | 31.7 | 40.6 |
| 42.5° | 2.8 | 4.2 | 5.5 | 5.9 | 7.8 | 11.4 | 14.8 | 19.5 | 28.3 | 40.7 | 55.2 |
| 40° | 2.8 | 4.3 | 5.7 | 6.5 | 8.6 | 12.8 | 16.8 | 24.1 | 34.8 | 50.2 | 71.8 |
| 37.5° | 2.8 | 4.4 | 6.0 | 7.1 | 9.7 | 14.2 | 18.9 | 28.9 | 44.2 | 62.6 | 89.6 |
| 35° | 2.8 | 4.4 | 6.3 | 7.8 | 10.8 | 15.8 | 21.0 | 33.9 | 54.0 | 79.2 | 109.5 |
| 32.5° | 2.8 | 4.5 | 6.5 | 8.5 | 11.8 | 17.5 | 23.8 | 39.0 | 64.2 | 96.1 | 130.6 |
| 30° | 2.8 | 4.6 | 6.8 | 9.3 | 12.9 | 19.2 | 28.0 | 45.0 | 74.8 | 113.1 | 150.7 |
| 27.5° | 2.8 | 4.6 | 7.1 | 10.0 | 14.3 | 20.9 | 32.1 | 52.8 | 85.7 | 130.3 | 169.7 |
| 25° | 2.8 | 4.7 | 7.4 | 10.8 | 15.6 | 22.6 | 36.2 | 60.2 | 97.2 | 146.6 | 187.8 |
| 22.5° | 2.8 | 4.7 | 7.7 | 11.6 | 16.9 | 24.4 | 40.2 | 67.2 | 107.7 | 157.6 | 207.4 |
| 20° | 2.8 | 4.8 | 8.0 | 12.3 | 18.2 | 26.2 | 44.0 | 73.7 | 117.3 | 167.8 | 222.6 |
| 17.5° | 2.8 | 4.8 | 8.3 | 13.1 | 19.5 | 27.9 | 47.6 | 79.7 | 126.0 | 177.2 | 237.0 |
| 15° | 2.8 | 4.9 | 8.6 | 13.9 | 20.6 | 29.6 | 50.7 | 85.0 | 133.8 | 185.7 | 250.9 |
| 12.5° | 2.8 | 4.9 | 8.9 | 14.7 | 21.8 | 31.2 | 53.6 | 89.6 | 141.1 | 193.3 | 264.0 |
| 10° | 2.8 | 5.0 | 9.2 | 15.4 | 22.8 | 32.7 | 56.3 | 93.6 | 148.1 | 202.8 | 277.5 |
| 7.5° | 2.8 | 5.0 | 9.5 | 16.1 | 23.8 | 34.1 | 58.6 | 97.1 | 154.4 | 211.9 | 292.9 |
| 5° | 2.8 | 5.0 | 9.7 | 16.8 | 24.8 | 35.5 | 60.6 | 100.1 | 159.9 | 220.3 | 307.1 |
| 2.5° | 2.8 | 5.1 | 10.0 | 17.5 | 25.7 | 36.7 | 62.4 | 102.5 | 164.5 | 227.8 | 319.8 |
| 0° | 2.8 | 5.1 | 10.2 | 18.1 | 26.5 | 37.8 | 63.8 | 104.4 | 168.2 | 234.2 | 330.7 |
| -2.5° | 2.8 | 5.3 | 10.7 | 18.9 | 27.7 | 39.4 | 65.8 | 108.2 | 173.3 | 241.0 | 336.4 |
| -5° | 2.8 | 5.5 | 11.2 | 19.6 | 28.8 | 40.8 | 67.5 | 111.4 | 177.4 | 246.5 | 340.3 |
| -7.5° | 2.8 | 5.7 | 11.7 | 20.3 | 29.8 | 42.2 | 68.9 | 113.9 | 180.3 | 250.6 | 342.4 |
| -10° | 2.8 | 5.9 | 12.2 | 21.0 | 30.7 | 43.4 | 70.0 | 115.6 | 182.1 | 253.4 | 342.7 |
| -12.5° | 2.8 | 6.1 | 12.6 | 21.6 | 31.6 | 44.4 | 70.7 | 116.5 | 182.6 | 254.6 | 342.3 |
| -15° | 2.8 | 6.3 | 13.0 | 22.1 | 32.4 | 45.4 | 71.0 | 116.5 | 181.3 | 252.5 | 340.0 |
| -17.5° | 2.8 | 6.5 | 13.4 | 22.6 | 33.0 | 46.2 | 71.0 | 115.3 | 178.0 | 249.0 | 334.9 |
| -20° | 2.8 | 6.6 | 13.7 | 23.1 | 33.6 | 46.8 | 70.7 | 113.1 | 173.5 | 243.9 | 327.1 |



REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|-------|
| -22.5° | 2.8 | 6.8 | 14.0 | 23.4 | 34.1 | 47.3 | 70.2 | 110.1 | 167.9 | 237.3 | 316.6 |
| -25° | 2.8 | 6.9 | 14.3 | 23.8 | 34.5 | 47.7 | 69.2 | 106.5 | 161.2 | 229.2 | 306.4 |
| -27.5° | 2.8 | 7.1 | 14.5 | 24.0 | 34.8 | 48.0 | 67.9 | 102.0 | 153.3 | 222.5 | 299.2 |
| -30° | 2.8 | 7.2 | 14.7 | 24.3 | 35.0 | 48.2 | 66.1 | 96.9 | 147.0 | 215.0 | 290.3 |
| -32.5° | 2.8 | 7.3 | 14.9 | 24.4 | 35.3 | 48.2 | 63.9 | 93.6 | 141.8 | 205.8 | 279.3 |
| -35° | 2.8 | 7.4 | 15.0 | 24.5 | 35.5 | 48.0 | 63.0 | 90.9 | 135.2 | 195.0 | 266.5 |
| -37.5° | 2.8 | 7.5 | 15.1 | 24.5 | 35.5 | 47.8 | 62.6 | 87.7 | 127.3 | 182.6 | 252.4 |
| -40° | 2.8 | 7.5 | 15.1 | 24.5 | 35.5 | 47.8 | 62.1 | 83.8 | 118.1 | 171.3 | 236.7 |
| -42.5° | 2.8 | 7.6 | 15.1 | 24.5 | 35.5 | 47.7 | 61.3 | 79.1 | 111.2 | 159.3 | 218.9 |
| -45° | 2.8 | 7.6 | 15.0 | 24.5 | 35.4 | 47.4 | 60.3 | 75.5 | 105.0 | 145.7 | 199.6 |
| -47.5° | 2.8 | 7.6 | 14.9 | 24.4 | 35.3 | 47.0 | 59.1 | 74.0 | 97.8 | 130.7 | 182.4 |
| -50° | 2.8 | 7.6 | 14.8 | 24.3 | 35.1 | 46.5 | 58.3 | 72.3 | 89.7 | 121.3 | 163.4 |
| -52.5° | 2.8 | 7.6 | 14.6 | 24.1 | 34.8 | 45.9 | 57.5 | 70.3 | 85.4 | 111.1 | 143.1 |
| -55° | 2.8 | 7.6 | 14.4 | 23.8 | 34.4 | 45.3 | 56.5 | 68.2 | 82.7 | 99.9 | 129.5 |
| -57.5° | 2.8 | 7.5 | 14.1 | 23.5 | 33.9 | 44.5 | 55.4 | 66.8 | 79.7 | 94.5 | 115.2 |
| -60° | 2.8 | 7.5 | 13.8 | 23.1 | 33.3 | 43.6 | 54.1 | 65.2 | 76.7 | 90.6 | 103.5 |
| -62.5° | 2.8 | 7.4 | 13.6 | 22.7 | 32.6 | 42.6 | 52.8 | 63.4 | 74.4 | 86.2 | 98.2 |
| -65° | 2.8 | 7.3 | 13.3 | 22.2 | 31.9 | 41.5 | 51.3 | 61.5 | 71.9 | 82.5 | 92.5 |
| -67.5° | 2.8 | 7.2 | 13.0 | 21.6 | 31.1 | 40.3 | 49.6 | 59.4 | 69.2 | 79.0 | 87.9 |
| -70° | 2.8 | 7.1 | 12.7 | 21.0 | 30.2 | 39.0 | 47.8 | 57.1 | 66.6 | 75.2 | 83.5 |
| -72.5° | 2.8 | 7.0 | 12.3 | 20.4 | 29.2 | 37.5 | 46.0 | 54.8 | 63.8 | 71.7 | 79.0 |
| -75° | 2.8 | 6.9 | 11.9 | 19.9 | 28.1 | 36.0 | 44.1 | 52.3 | 60.9 | 68.0 | 74.8 |
| -77.5° | 2.8 | 6.7 | 11.5 | 19.2 | 27.2 | 34.5 | 42.0 | 49.7 | 57.6 | 64.1 | 70.3 |
| -80° | 2.8 | 6.6 | 11.0 | 18.6 | 26.3 | 33.1 | 39.9 | 47.0 | 54.3 | 60.0 | 65.6 |
| -82.5° | 2.8 | 6.4 | 10.6 | 17.9 | 25.3 | 31.8 | 38.3 | 44.4 | 50.7 | 55.7 | 60.6 |
| -85° | 2.8 | 6.3 | 10.1 | 17.1 | 24.3 | 30.5 | 36.7 | 42.2 | 47.8 | 52.0 | 56.1 |
| -87.5° | 2.8 | 6.1 | 9.5 | 16.3 | 23.2 | 29.1 | 35.0 | 39.9 | 44.8 | 48.6 | 52.3 |
| -90° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |



REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|
| 90° | 51.1 | 53.6 | 55.9 | 58.1 | 60.7 | 63.2 | 66.0 | 68.8 | 71.7 | 74.5 | 76.8 |
| 87.5° | 2.7 | 2.6 | 2.6 | 2.6 | 2.5 | 2.3 | 2.3 | 2.3 | 2.0 | 1.7 | 1.7 |
| 85° | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.5 | 2.4 | 2.3 | 2.1 | 2.0 | 2.1 |
| 82.5° | 3.0 | 3.1 | 3.0 | 2.8 | 2.8 | 2.8 | 2.6 | 2.4 | 2.4 | 2.4 | 2.4 |
| 80° | 3.3 | 3.4 | 3.2 | 3.0 | 2.9 | 2.8 | 2.7 | 2.7 | 2.8 | 2.8 | 2.6 |
| 77.5° | 3.5 | 3.4 | 3.3 | 3.3 | 3.2 | 3.0 | 3.0 | 3.1 | 3.1 | 2.9 | 2.8 |
| 75° | 3.7 | 3.5 | 3.5 | 3.4 | 3.3 | 3.3 | 3.4 | 3.4 | 3.3 | 3.2 | 3.1 |
| 72.5° | 3.9 | 3.8 | 3.7 | 3.5 | 3.5 | 3.5 | 3.4 | 3.4 | 3.9 | 4.7 | 5.3 |
| 70° | 4.2 | 4.1 | 4.0 | 3.9 | 3.8 | 3.8 | 4.4 | 5.7 | 7.1 | 8.2 | 9.7 |
| 67.5° | 4.5 | 4.5 | 4.3 | 4.3 | 4.6 | 5.2 | 6.3 | 10.0 | 13.7 | 15.1 | 15.7 |
| 65° | 5.0 | 4.9 | 4.9 | 5.3 | 5.6 | 8.4 | 12.2 | 16.6 | 21.2 | 22.1 | 21.2 |
| 62.5° | 5.6 | 6.3 | 6.1 | 7.1 | 9.7 | 13.2 | 17.9 | 22.9 | 28.2 | 26.9 | 22.5 |
| 60° | 7.8 | 8.2 | 9.1 | 11.2 | 14.2 | 18.1 | 23.4 | 25.5 | 27.7 | 28.1 | 21.8 |
| 57.5° | 10.5 | 11.7 | 13.8 | 16.1 | 20.0 | 22.1 | 22.9 | 23.0 | 26.2 | 26.4 | 20.1 |
| 55° | 14.6 | 16.6 | 19.8 | 22.6 | 25.0 | 22.6 | 22.6 | 24.7 | 25.8 | 23.8 | 17.8 |
| 52.5° | 21.0 | 23.1 | 28.1 | 30.2 | 28.9 | 26.8 | 26.3 | 28.2 | 27.1 | 24.2 | 20.6 |
| 50° | 28.1 | 34.2 | 37.5 | 39.2 | 36.0 | 35.6 | 32.7 | 34.3 | 35.3 | 33.8 | 35.4 |
| 47.5° | 39.5 | 46.9 | 49.6 | 52.1 | 49.5 | 52.3 | 49.5 | 57.5 | 57.7 | 77.6 | 79.9 |
| 45° | 53.5 | 63.4 | 66.6 | 72.3 | 76.7 | 79.3 | 95.0 | 96.1 | 138.2 | 154.8 | 190.4 |
| 42.5° | 69.9 | 82.7 | 94.0 | 96.8 | 123.5 | 136.1 | 158.4 | 199.1 | 238.1 | 271.6 | 290.6 |
| 40° | 90.8 | 104.5 | 128.0 | 154.3 | 184.5 | 214.3 | 247.4 | 295.3 | 336.4 | 354.5 | 364.0 |
| 37.5° | 113.7 | 140.2 | 171.5 | 215.4 | 260.3 | 294.5 | 333.9 | 378.8 | 406.2 | 415.7 | 417.9 |
| 35° | 138.4 | 176.5 | 228.9 | 275.0 | 323.1 | 369.0 | 405.8 | 448.8 | 457.9 | 465.5 | 507.8 |
| 32.5° | 168.4 | 212.8 | 274.5 | 326.2 | 375.0 | 427.6 | 464.8 | 490.2 | 504.8 | 532.8 | 670.7 |
| 30° | 198.4 | 250.5 | 311.7 | 366.6 | 423.4 | 473.5 | 508.9 | 533.6 | 550.2 | 682.2 | 968.6 |
| 27.5° | 223.1 | 283.0 | 343.7 | 407.5 | 470.4 | 520.6 | 554.6 | 577.0 | 674.4 | 893.1 | 1334.1 |
| 25° | 245.5 | 308.5 | 375.8 | 452.8 | 518.9 | 565.3 | 600.2 | 622.4 | 840.3 | 1286.8 | 1592.7 |
| 22.5° | 266.5 | 333.1 | 412.0 | 500.7 | 567.2 | 606.6 | 640.1 | 760.8 | 1090.7 | 1685.8 | 1850.3 |
| 20° | 287.1 | 362.7 | 451.5 | 541.2 | 612.5 | 641.7 | 676.9 | 915.9 | 1412.9 | 1839.4 | 2019.6 |
| 17.5° | 308.3 | 393.1 | 488.6 | 572.3 | 636.0 | 672.9 | 729.3 | 1066.3 | 1684.8 | 1973.8 | 2104.2 |
| 15° | 329.6 | 421.8 | 518.9 | 599.7 | 659.3 | 703.5 | 849.3 | 1281.9 | 1853.3 | 2121.6 | 2244.3 |
| 12.5° | 350.5 | 446.9 | 541.7 | 623.2 | 683.6 | 732.5 | 959.0 | 1504.7 | 2005.5 | 2266.6 | 2429.1 |
| 10° | 370.6 | 468.7 | 561.1 | 646.0 | 707.4 | 760.7 | 1069.9 | 1722.6 | 2143.0 | 2361.2 | 2497.5 |
| 7.5° | 388.1 | 486.4 | 578.0 | 667.8 | 729.7 | 788.3 | 1191.4 | 1867.1 | 2201.5 | 2421.3 | 2532.1 |
| 5° | 403.1 | 500.4 | 595.0 | 692.0 | 752.8 | 813.7 | 1301.8 | 1962.4 | 2223.7 | 2458.4 | 2568.2 |
| 2.5° | 415.7 | 511.6 | 609.7 | 714.8 | 775.6 | 835.3 | 1379.2 | 2022.8 | 2238.8 | 2472.6 | 2603.7 |
| 0° | 426.1 | 520.3 | 621.9 | 734.8 | 796.3 | 854.4 | 1436.8 | 2051.9 | 2243.8 | 2467.3 | 2637.1 |
| -2.5° | 432.8 | 533.1 | 644.4 | 754.1 | 813.3 | 870.4 | 1434.4 | 2069.0 | 2249.9 | 2495.8 | 2766.1 |
| -5° | 437.3 | 543.0 | 663.4 | 770.4 | 828.7 | 884.5 | 1409.9 | 2056.6 | 2263.5 | 2539.1 | 2850.4 |
| -7.5° | 439.5 | 549.7 | 677.9 | 783.5 | 843.2 | 900.3 | 1379.6 | 2027.6 | 2333.1 | 2628.2 | 2903.3 |
| -10° | 440.3 | 553.7 | 680.9 | 789.8 | 856.7 | 915.8 | 1329.6 | 1966.8 | 2388.1 | 2665.5 | 2918.7 |
| -12.5° | 443.2 | 555.5 | 679.3 | 792.4 | 868.1 | 930.1 | 1267.8 | 1926.6 | 2461.9 | 2688.5 | 2913.1 |
| -15° | 442.9 | 554.8 | 674.8 | 791.6 | 882.1 | 949.1 | 1185.8 | 1831.5 | 2506.9 | 2693.7 | 2898.1 |
| -17.5° | 439.2 | 551.6 | 667.9 | 788.9 | 895.5 | 963.3 | 1070.0 | 1636.0 | 2378.3 | 2670.8 | 2880.4 |
| -20° | 431.8 | 544.7 | 658.1 | 780.4 | 902.9 | 976.4 | 1056.2 | 1464.8 | 2113.7 | 2610.4 | 2846.9 |



REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 421.2 | 534.6 | 646.2 | 766.1 | 899.3 | 991.3 | 1065.7 | 1298.3 | 1852.3 | 2520.9 | 2792.8 |
| -25° | 408.9 | 520.4 | 632.3 | 758.3 | 894.1 | 1005.6 | 1067.7 | 1143.5 | 1625.0 | 2224.5 | 2699.5 |
| -27.5° | 395.2 | 503.0 | 617.2 | 741.8 | 886.0 | 1003.0 | 1066.9 | 1138.4 | 1382.8 | 1859.9 | 2551.0 |
| -30° | 379.3 | 483.3 | 596.2 | 718.0 | 857.5 | 976.0 | 1064.4 | 1123.5 | 1198.2 | 1574.0 | 2163.3 |
| -32.5° | 361.8 | 461.1 | 571.2 | 691.0 | 820.8 | 945.9 | 1049.7 | 1111.6 | 1177.1 | 1305.8 | 1780.8 |
| -35° | 344.6 | 439.7 | 543.7 | 659.8 | 783.3 | 905.0 | 1011.2 | 1099.1 | 1154.0 | 1226.4 | 1443.3 |
| -37.5° | 328.6 | 415.7 | 513.5 | 625.8 | 745.2 | 854.1 | 969.0 | 1064.3 | 1139.5 | 1192.0 | 1279.7 |
| -40° | 310.1 | 388.8 | 482.6 | 587.8 | 695.0 | 798.6 | 907.9 | 1015.1 | 1107.6 | 1176.6 | 1228.9 |
| -42.5° | 289.3 | 364.6 | 449.4 | 542.8 | 641.9 | 740.5 | 843.9 | 950.1 | 1051.6 | 1142.6 | 1207.4 |
| -45° | 266.8 | 337.5 | 413.8 | 498.6 | 586.6 | 680.6 | 779.0 | 879.4 | 980.2 | 1080.6 | 1160.5 |
| -47.5° | 240.8 | 307.7 | 380.1 | 451.4 | 532.6 | 618.9 | 710.4 | 804.8 | 898.1 | 994.9 | 1087.0 |
| -50° | 213.7 | 275.5 | 341.7 | 407.5 | 477.9 | 556.0 | 639.7 | 727.9 | 816.3 | 905.8 | 994.5 |
| -52.5° | 189.1 | 240.4 | 301.4 | 363.5 | 425.6 | 492.4 | 568.2 | 648.7 | 732.1 | 816.5 | 894.1 |
| -55° | 162.8 | 209.1 | 259.2 | 317.3 | 375.6 | 433.7 | 495.3 | 568.1 | 643.6 | 722.0 | 791.6 |
| -57.5° | 142.6 | 177.5 | 220.6 | 268.7 | 323.0 | 377.9 | 431.9 | 486.6 | 554.2 | 623.8 | 682.3 |
| -60° | 125.9 | 151.0 | 184.1 | 224.7 | 267.9 | 318.7 | 369.5 | 420.3 | 472.5 | 522.3 | 576.4 |
| -62.5° | 110.5 | 131.0 | 154.3 | 182.6 | 220.2 | 259.4 | 304.5 | 351.3 | 399.1 | 442.1 | 481.8 |
| -65° | 103.9 | 113.7 | 131.2 | 152.4 | 173.9 | 207.4 | 243.5 | 280.4 | 321.9 | 359.9 | 395.7 |
| -67.5° | 96.9 | 106.0 | 115.1 | 126.3 | 145.6 | 165.4 | 185.3 | 217.9 | 250.4 | 279.8 | 309.0 |
| -70° | 91.3 | 98.3 | 106.3 | 114.5 | 122.8 | 134.2 | 152.0 | 170.4 | 188.8 | 209.2 | 233.8 |
| -72.5° | 85.8 | 92.1 | 98.5 | 104.9 | 112.3 | 120.1 | 128.3 | 136.6 | 149.4 | 165.0 | 179.1 |
| -75° | 80.5 | 85.7 | 91.5 | 97.4 | 103.3 | 109.2 | 115.8 | 123.5 | 131.1 | 138.7 | 145.9 |
| -77.5° | 75.5 | 80.2 | 85.0 | 90.0 | 95.1 | 100.4 | 106.2 | 112.2 | 118.5 | 124.7 | 130.3 |
| -80° | 70.1 | 74.6 | 78.7 | 82.9 | 87.5 | 92.0 | 96.9 | 101.9 | 107.4 | 113.1 | 118.1 |
| -82.5° | 64.3 | 68.1 | 71.8 | 75.5 | 79.7 | 83.9 | 88.1 | 92.3 | 96.8 | 101.4 | 105.5 |
| -85° | 58.8 | 61.4 | 64.7 | 67.9 | 71.7 | 75.4 | 78.9 | 82.5 | 86.4 | 90.4 | 93.6 |
| -87.5° | 55.0 | 57.5 | 60.1 | 62.6 | 65.6 | 68.6 | 71.5 | 74.4 | 77.7 | 81.0 | 83.5 |
| -90° | 2.6 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.0 | 1.7 | 1.7 |



REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|----------|----------|
| 90° | 79.0 | 80.7 | 82.4 | 83.3 | 84.1 | 85.8 | 87.5 | 90.1 | 92.6 | 95.4 | 98.2 |
| 87.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.6 | 1.4 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 85° | 2.1 | 2.1 | 2.1 | 1.9 | 1.7 | 1.7 | 1.6 | 1.6 | 1.7 | 1.4 | 1.1 |
| 82.5° | 2.3 | 2.3 | 2.3 | 2.2 | 2.1 | 1.9 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 80° | 2.5 | 2.4 | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.0 | 1.7 | 2.0 | 2.2 |
| 77.5° | 2.8 | 2.7 | 2.5 | 2.4 | 2.3 | 2.2 | 1.9 | 1.8 | 1.7 | 1.7 | 1.7 |
| 75° | 2.9 | 3.0 | 3.3 | 3.4 | 3.4 | 3.0 | 2.6 | 2.5 | 2.6 | 2.5 | 2.3 |
| 72.5° | 5.8 | 6.0 | 6.2 | 6.7 | 7.0 | 7.4 | 8.0 | 9.1 | 10.4 | 11.6 | 12.7 |
| 70° | 11.6 | 13.2 | 13.5 | 13.5 | 13.5 | 13.9 | 14.5 | 15.2 | 16.1 | 16.9 | 17.5 |
| 67.5° | 17.8 | 19.2 | 19.3 | 19.7 | 19.1 | 18.3 | 17.6 | 17.6 | 18.6 | 19.8 | 21.1 |
| 65° | 21.7 | 20.2 | 19.2 | 18.9 | 18.6 | 17.6 | 16.2 | 15.1 | 14.8 | 14.6 | 14.6 |
| 62.5° | 19.5 | 16.6 | 15.6 | 15.4 | 14.6 | 13.5 | 11.5 | 9.9 | 9.1 | 8.6 | 8.6 |
| 60° | 16.9 | 13.6 | 11.5 | 10.6 | 9.3 | 7.9 | 6.7 | 5.5 | 5.1 | 5.0 | 5.0 |
| 57.5° | 13.9 | 10.4 | 8.0 | 7.6 | 6.5 | 5.2 | 4.3 | 3.4 | 3.2 | 3.2 | 3.4 |
| 55° | 12.7 | 10.8 | 9.1 | 8.5 | 7.3 | 6.7 | 5.7 | 4.5 | 4.3 | 4.6 | 5.0 |
| 52.5° | 16.5 | 15.5 | 14.7 | 14.8 | 16.2 | 15.1 | 11.3 | 15.7 | 18.3 | 18.3 | 17.5 |
| 50° | 36.2 | 32.6 | 46.5 | 44.8 | 55.9 | 63.4 | 57.6 | 64.7 | 74.8 | 81.8 | 86.8 |
| 47.5° | 103.4 | 107.3 | 123.9 | 138.3 | 150.0 | 163.0 | 176.2 | 184.2 | 186.2 | 199.4 | 208.4 |
| 45° | 208.3 | 220.8 | 239.3 | 248.7 | 267.0 | 288.7 | 303.9 | 310.7 | 350.5 | 400.2 | 432.2 |
| 42.5° | 302.3 | 311.9 | 326.5 | 359.6 | 393.1 | 467.3 | 552.4 | 555.4 | 632.3 | 700.4 | 770.1 |
| 40° | 368.0 | 386.2 | 438.0 | 516.5 | 697.4 | 838.7 | 939.2 | 1037.7 | 1054.1 | 1022.1 | 1039.6 |
| 37.5° | 453.2 | 518.0 | 649.3 | 860.9 | 1017.5 | 1159.4 | 1216.5 | 1223.9 | 1243.8 | 1256.3 | 1236.4 |
| 35° | 613.5 | 829.6 | 938.6 | 1118.4 | 1232.4 | 1260.0 | 1277.3 | 1294.3 | 1310.6 | 1321.7 | 1333.8 |
| 32.5° | 964.9 | 1232.5 | 1246.9 | 1293.1 | 1314.4 | 1339.0 | 1357.3 | 1367.9 | 1375.3 | 1385.1 | 1418.2 |
| 30° | 1342.5 | 1404.9 | 1410.0 | 1406.3 | 1413.7 | 1430.2 | 1442.2 | 1461.7 | 1481.1 | 1503.5 | 1576.7 |
| 27.5° | 1518.8 | 1566.6 | 1551.7 | 1526.3 | 1513.6 | 1526.8 | 1559.4 | 1589.7 | 1646.2 | 1705.6 | 1810.8 |
| 25° | 1714.0 | 1745.7 | 1727.6 | 1682.4 | 1654.0 | 1672.7 | 1721.7 | 1779.5 | 1887.5 | 1982.7 | 2176.2 |
| 22.5° | 1923.1 | 1981.9 | 1962.9 | 1949.4 | 1889.7 | 1898.7 | 1937.3 | 2067.8 | 2338.0 | 2765.7 | 3653.6 |
| 20° | 2085.2 | 2157.1 | 2166.2 | 2166.5 | 2154.0 | 2157.7 | 2247.4 | 2668.4 | 3458.2 | 5939.9 | 8139.9 |
| 17.5° | 2205.4 | 2247.6 | 2298.2 | 2318.9 | 2343.6 | 2415.4 | 2894.2 | 4350.8 | 7761.3 | 12325.8 | 15821.1 |
| 15° | 2361.2 | 2415.2 | 2470.0 | 2504.7 | 2560.3 | 2955.2 | 4179.5 | 8653.1 | 14855.0 | 22602.2 | 32504.4 |
| 12.5° | 2486.0 | 2552.5 | 2595.9 | 2623.5 | 2751.7 | 3790.6 | 8050.3 | 14490.4 | 24166.9 | 36188.6 | 54022.3 |
| 10° | 2555.0 | 2606.8 | 2666.2 | 2761.5 | 3284.3 | 5498.3 | 11352.7 | 20362.7 | 35237.7 | 56891.7 | 80644.5 |
| 7.5° | 2589.3 | 2656.3 | 2755.7 | 2900.5 | 3887.2 | 8026.6 | 15793.6 | 28742.0 | 49059.0 | 76022.6 | 109118.6 |
| 5° | 2629.3 | 2753.3 | 2871.5 | 3037.3 | 4355.5 | 9852.0 | 19323.8 | 35888.6 | 61109.7 | 94094.5 | 134968.2 |
| 2.5° | 2693.9 | 2880.4 | 2956.6 | 3115.9 | 4637.6 | 11027.2 | 21428.9 | 41478.2 | 70108.3 | 108841.7 | 154732.2 |
| 0° | 2795.7 | 2950.9 | 2996.6 | 3156.9 | 4921.6 | 11608.4 | 22665.5 | 43011.0 | 74116.7 | 114584.8 | 162516.2 |
| -2.5° | 2910.8 | 3007.7 | 3058.4 | 3237.0 | 5064.2 | 12201.4 | 23638.4 | 44040.9 | 73162.1 | 112671.6 | 159591.8 |
| -5° | 2985.9 | 3062.8 | 3112.0 | 3286.5 | 5048.5 | 11608.4 | 22551.3 | 41012.9 | 67581.0 | 102919.0 | 144869.0 |
| -7.5° | 3037.0 | 3117.1 | 3168.5 | 3328.5 | 4750.1 | 10032.1 | 19918.4 | 35352.6 | 57432.2 | 86414.0 | 122648.2 |
| -10° | 3086.9 | 3174.4 | 3241.8 | 3368.1 | 4204.2 | 7658.4 | 15633.8 | 26670.9 | 44915.6 | 67975.0 | 95066.2 |
| -12.5° | 3132.0 | 3240.1 | 3326.7 | 3384.9 | 3691.5 | 5825.1 | 11488.9 | 20400.3 | 32329.8 | 49543.3 | 69367.9 |
| -15° | 3154.8 | 3284.0 | 3381.0 | 3445.2 | 3623.0 | 4606.0 | 7439.7 | 13499.3 | 22571.3 | 33248.5 | 46148.5 |
| -17.5° | 3115.5 | 3308.3 | 3401.7 | 3472.3 | 3530.7 | 3783.4 | 5247.8 | 8286.3 | 13952.7 | 20947.1 | 27248.6 |
| -20° | 3053.1 | 3311.0 | 3416.7 | 3511.8 | 3578.3 | 3647.0 | 3833.6 | 5277.0 | 7582.2 | 11873.3 | 16073.1 |



REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 3000.3 | 3240.1 | 3460.7 | 3563.5 | 3639.9 | 3645.0 | 3650.7 | 3824.4 | 4724.5 | 6170.3 | 8392.0 |
| -25° | 2963.7 | 3190.7 | 3447.3 | 3606.5 | 3659.4 | 3661.3 | 3632.4 | 3600.2 | 3702.2 | 3804.8 | 4616.6 |
| -27.5° | 2901.7 | 3148.0 | 3389.2 | 3583.3 | 3661.8 | 3659.1 | 3637.2 | 3615.6 | 3580.2 | 3557.2 | 3644.8 |
| -30° | 2825.9 | 3073.4 | 3298.0 | 3493.2 | 3609.5 | 3645.3 | 3630.3 | 3614.3 | 3603.3 | 3595.7 | 3580.0 |
| -32.5° | 2422.3 | 2981.8 | 3171.0 | 3348.1 | 3514.2 | 3586.9 | 3619.2 | 3611.7 | 3601.9 | 3597.7 | 3600.4 |
| -35° | 1978.6 | 2556.2 | 3047.5 | 3173.8 | 3317.9 | 3462.5 | 3564.5 | 3587.7 | 3597.9 | 3596.1 | 3600.6 |
| -37.5° | 1517.2 | 2037.5 | 2520.2 | 2923.6 | 3097.1 | 3247.5 | 3395.9 | 3494.1 | 3553.1 | 3563.3 | 3577.2 |
| -40° | 1307.5 | 1454.7 | 1911.9 | 2317.4 | 2654.8 | 2965.4 | 3122.5 | 3292.4 | 3424.9 | 3478.2 | 3506.2 |
| -42.5° | 1252.1 | 1310.6 | 1370.6 | 1668.0 | 2017.3 | 2313.4 | 2606.7 | 2898.3 | 3140.3 | 3277.2 | 3366.3 |
| -45° | 1228.0 | 1260.6 | 1295.3 | 1343.1 | 1386.0 | 1636.1 | 1905.4 | 2189.5 | 2507.5 | 2745.1 | 2966.4 |
| -47.5° | 1157.7 | 1223.3 | 1256.4 | 1276.7 | 1291.8 | 1324.9 | 1354.4 | 1434.4 | 1699.1 | 1907.2 | 2138.1 |
| -50° | 1064.7 | 1131.4 | 1185.5 | 1233.6 | 1250.1 | 1257.7 | 1266.6 | 1293.2 | 1335.5 | 1366.2 | 1412.7 |
| -52.5° | 957.0 | 1019.7 | 1079.9 | 1131.5 | 1168.3 | 1200.0 | 1230.2 | 1251.2 | 1268.3 | 1286.1 | 1302.9 |
| -55° | 854.2 | 907.5 | 959.2 | 1007.5 | 1051.4 | 1088.0 | 1124.0 | 1158.2 | 1190.3 | 1220.5 | 1248.7 |
| -57.5° | 741.3 | 794.5 | 842.0 | 885.5 | 922.9 | 953.4 | 988.9 | 1026.6 | 1062.0 | 1093.4 | 1124.0 |
| -60° | 627.3 | 675.8 | 721.3 | 762.3 | 796.6 | 823.5 | 858.0 | 891.9 | 924.2 | 953.4 | 979.1 |
| -62.5° | 520.2 | 561.6 | 600.8 | 637.0 | 669.4 | 698.3 | 727.3 | 756.3 | 786.9 | 814.2 | 838.4 |
| -65° | 429.8 | 462.8 | 490.6 | 516.4 | 538.2 | 564.4 | 592.2 | 618.2 | 645.1 | 670.4 | 693.5 |
| -67.5° | 338.8 | 366.8 | 390.2 | 412.5 | 430.7 | 449.1 | 469.8 | 489.6 | 508.6 | 528.2 | 547.5 |
| -70° | 255.7 | 275.4 | 290.1 | 305.5 | 323.4 | 340.1 | 356.8 | 373.6 | 389.4 | 406.7 | 424.5 |
| -72.5° | 190.8 | 200.3 | 210.0 | 222.5 | 233.2 | 245.3 | 257.3 | 270.2 | 283.3 | 295.9 | 307.6 |
| -75° | 152.7 | 158.8 | 166.2 | 172.2 | 176.8 | 182.8 | 189.4 | 197.5 | 205.6 | 213.8 | 221.5 |
| -77.5° | 135.9 | 140.1 | 143.4 | 146.0 | 148.3 | 151.3 | 154.3 | 160.0 | 166.1 | 173.0 | 179.9 |
| -80° | 122.9 | 125.6 | 127.8 | 129.8 | 131.4 | 134.0 | 136.5 | 141.4 | 146.6 | 151.7 | 156.7 |
| -82.5° | 109.6 | 111.8 | 113.8 | 115.4 | 117.0 | 119.3 | 121.7 | 125.7 | 129.7 | 134.6 | 139.5 |
| -85° | 96.7 | 98.7 | 100.6 | 102.1 | 103.5 | 105.4 | 107.2 | 110.9 | 114.6 | 118.6 | 122.5 |
| -87.5° | 85.9 | 87.6 | 89.2 | 90.5 | 91.8 | 93.4 | 94.9 | 97.8 | 100.7 | 103.9 | 107.1 |
| -90° | 1.7 | 1.7 | 1.7 | 1.4 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 0.9 | 0.6 |



REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|
| 90° | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.5 | 98.2 | 95.4 | 92.6 | 90.1 |
| 87.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 85° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.4 | 1.7 | 1.6 |
| 82.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 80° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.0 | 1.7 | 2.0 |
| 77.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.8 |
| 75° | 2.0 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 2.0 | 2.3 | 2.5 | 2.6 | 2.5 |
| 72.5° | 13.8 | 14.8 | 15.4 | 15.8 | 15.4 | 14.8 | 13.8 | 12.7 | 11.6 | 10.4 | 9.1 |
| 70° | 17.8 | 18.0 | 18.1 | 18.1 | 18.1 | 18.0 | 17.8 | 17.5 | 16.9 | 16.1 | 15.2 |
| 67.5° | 21.9 | 22.4 | 22.6 | 22.6 | 22.6 | 22.4 | 21.9 | 21.1 | 19.8 | 18.6 | 17.6 |
| 65° | 13.9 | 12.9 | 12.0 | 11.3 | 12.0 | 12.9 | 13.9 | 14.6 | 14.6 | 14.8 | 15.1 |
| 62.5° | 8.4 | 8.1 | 7.9 | 7.9 | 7.9 | 8.1 | 8.4 | 8.6 | 8.6 | 9.1 | 9.9 |
| 60° | 5.0 | 5.2 | 4.9 | 4.5 | 4.9 | 5.2 | 5.0 | 5.0 | 5.0 | 5.1 | 5.5 |
| 57.5° | 3.7 | 4.0 | 4.2 | 4.5 | 4.2 | 4.0 | 3.7 | 3.4 | 3.2 | 3.2 | 3.4 |
| 55° | 5.4 | 5.9 | 6.4 | 6.8 | 6.4 | 5.9 | 5.4 | 5.0 | 4.6 | 4.3 | 4.5 |
| 52.5° | 15.8 | 14.1 | 13.6 | 14.1 | 13.6 | 14.1 | 15.8 | 17.5 | 18.3 | 18.3 | 15.7 |
| 50° | 89.3 | 91.1 | 93.3 | 95.9 | 93.3 | 91.1 | 89.3 | 86.8 | 81.8 | 74.8 | 64.7 |
| 47.5° | 211.0 | 207.0 | 203.2 | 202.0 | 203.2 | 207.0 | 211.0 | 208.4 | 199.4 | 186.2 | 184.2 |
| 45° | 400.1 | 370.6 | 355.7 | 364.6 | 355.7 | 370.6 | 400.1 | 432.2 | 400.2 | 350.5 | 310.7 |
| 42.5° | 807.5 | 851.0 | 885.0 | 901.2 | 885.0 | 851.0 | 807.5 | 770.1 | 700.4 | 632.3 | 555.4 |
| 40° | 1012.3 | 995.9 | 1004.7 | 1018.1 | 1004.7 | 995.9 | 1012.3 | 1039.6 | 1022.1 | 1054.1 | 1037.7 |
| 37.5° | 1246.2 | 1251.6 | 1212.2 | 1147.9 | 1212.2 | 1251.6 | 1246.2 | 1236.4 | 1256.3 | 1243.8 | 1223.9 |
| 35° | 1359.6 | 1429.7 | 1561.1 | 1592.6 | 1561.1 | 1429.7 | 1359.6 | 1333.8 | 1321.7 | 1310.6 | 1294.3 |
| 32.5° | 1501.6 | 1574.4 | 1596.8 | 1605.5 | 1596.8 | 1574.4 | 1501.6 | 1418.2 | 1385.1 | 1375.3 | 1367.9 |
| 30° | 1671.3 | 1704.2 | 1695.9 | 1708.2 | 1695.9 | 1704.2 | 1671.3 | 1576.7 | 1503.5 | 1481.1 | 1461.7 |
| 27.5° | 1857.2 | 1876.5 | 1870.2 | 1886.6 | 1870.2 | 1876.5 | 1857.2 | 1810.8 | 1705.6 | 1646.2 | 1589.7 |
| 25° | 2337.2 | 2488.8 | 2480.9 | 2516.4 | 2480.9 | 2488.8 | 2337.2 | 2176.2 | 1982.7 | 1887.5 | 1779.5 |
| 22.5° | 4734.6 | 5270.7 | 5591.7 | 5902.4 | 5591.7 | 5270.7 | 4734.6 | 3653.6 | 2765.7 | 2338.0 | 2067.8 |
| 20° | 10578.8 | 12123.8 | 12460.1 | 12337.5 | 12460.1 | 12123.8 | 10578.8 | 8139.9 | 5939.9 | 3458.2 | 2668.4 |
| 17.5° | 22707.8 | 28872.0 | 32181.7 | 32549.9 | 32181.7 | 28872.0 | 22707.8 | 15821.1 | 12325.8 | 7761.3 | 4350.8 |
| 15° | 42734.7 | 53508.2 | 59625.2 | 60267.9 | 59625.2 | 53508.2 | 42734.7 | 32504.4 | 22602.2 | 14855.0 | 8653.1 |
| 12.5° | 69860.9 | 87017.8 | 99612.9 | 101018.1 | 99612.9 | 87017.8 | 69860.9 | 54022.3 | 36188.6 | 24166.9 | 14490.4 |
| 10° | 107017.5 | 130213.5 | 148556.1 | 153024.6 | 148556.1 | 130213.5 | 107017.5 | 80644.5 | 56891.7 | 35237.7 | 20362.7 |
| 7.5° | 144103.6 | 170575.0 | 192163.0 | 197242.2 | 192163.0 | 170575.0 | 144103.6 | 109118.6 | 76022.6 | 49059.0 | 28742.0 |
| 5° | 173095.0 | 206964.5 | 224192.1 | 229884.0 | 224192.1 | 206964.5 | 173095.0 | 134968.2 | 94094.5 | 61109.7 | 35888.6 |
| 2.5° | 195193.6 | 227174.6 | 247399.3 | 255697.1 | 247399.3 | 227174.6 | 195193.6 | 154732.2 | 108841.7 | 70108.3 | 41478.2 |
| 0° | 203724.1 | 234745.8 | 260500.8 | 276516.4 | 260500.8 | 234745.8 | 203724.1 | 162516.2 | 114584.8 | 74116.7 | 43011.0 |
| -2.5° | 200380.3 | 230248.8 | 252137.4 | 262526.5 | 252137.4 | 230248.8 | 200380.3 | 159591.8 | 112671.6 | 73162.1 | 44040.9 |
| -5° | 183476.1 | 213618.8 | 230542.5 | 235903.3 | 230542.5 | 213618.8 | 183476.1 | 144869.0 | 102919.0 | 67581.0 | 41012.9 |
| -7.5° | 155148.5 | 181680.7 | 201747.7 | 205344.7 | 201747.7 | 181680.7 | 155148.5 | 122648.2 | 86414.0 | 57432.2 | 35352.6 |
| -10° | 122964.6 | 145932.8 | 161241.3 | 164137.0 | 161241.3 | 145932.8 | 122964.6 | 95066.2 | 67975.0 | 44915.6 | 26670.9 |
| -12.5° | 87163.5 | 107338.8 | 119442.1 | 121675.4 | 119442.1 | 107338.8 | 87163.5 | 69367.9 | 49543.3 | 32329.8 | 20400.3 |
| -15° | 59232.0 | 71798.7 | 79134.5 | 79875.2 | 79134.5 | 71798.7 | 59232.0 | 46148.5 | 33248.5 | 22571.3 | 13499.3 |
| -17.5° | 37061.5 | 44536.5 | 49108.6 | 49151.0 | 49108.6 | 44536.5 | 37061.5 | 27248.6 | 20947.1 | 13952.7 | 8286.3 |
| -20° | 21456.4 | 25023.5 | 27581.4 | 27570.7 | 27581.4 | 25023.5 | 21456.4 | 16073.1 | 11873.3 | 7582.2 | 5277.0 |



REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| -22.5° | 11179.1 | 13299.1 | 14841.5 | 14771.0 | 14841.5 | 13299.1 | 11179.1 | 8392.0 | 6170.3 | 4724.5 | 3824.4 |
| -25° | 5489.4 | 6301.1 | 6841.4 | 6799.1 | 6841.4 | 6301.1 | 5489.4 | 4616.6 | 3804.8 | 3702.2 | 3600.2 |
| -27.5° | 3720.2 | 3809.4 | 3871.1 | 3877.6 | 3871.1 | 3809.4 | 3720.2 | 3644.8 | 3557.2 | 3580.2 | 3615.6 |
| -30° | 3573.9 | 3594.3 | 3615.8 | 3621.4 | 3615.8 | 3594.3 | 3573.9 | 3580.0 | 3595.7 | 3603.3 | 3614.3 |
| -32.5° | 3609.2 | 3625.2 | 3648.8 | 3663.7 | 3648.8 | 3625.2 | 3609.2 | 3600.4 | 3597.7 | 3601.9 | 3611.7 |
| -35° | 3611.8 | 3630.3 | 3657.6 | 3669.9 | 3657.6 | 3630.3 | 3611.8 | 3600.6 | 3596.1 | 3597.9 | 3587.7 |
| -37.5° | 3595.0 | 3617.6 | 3641.1 | 3651.8 | 3641.1 | 3617.6 | 3595.0 | 3577.2 | 3563.3 | 3553.1 | 3494.1 |
| -40° | 3531.2 | 3554.3 | 3571.4 | 3572.8 | 3571.4 | 3554.3 | 3531.2 | 3506.2 | 3478.2 | 3424.9 | 3292.4 |
| -42.5° | 3425.6 | 3454.2 | 3467.4 | 3465.0 | 3467.4 | 3454.2 | 3425.6 | 3366.3 | 3277.2 | 3140.3 | 2898.3 |
| -45° | 3176.3 | 3277.7 | 3327.5 | 3339.7 | 3327.5 | 3277.7 | 3176.3 | 2966.4 | 2745.1 | 2507.5 | 2189.5 |
| -47.5° | 2405.8 | 2554.6 | 2649.9 | 2687.9 | 2649.9 | 2554.6 | 2405.8 | 2138.1 | 1907.2 | 1699.1 | 1434.4 |
| -50° | 1473.5 | 1487.3 | 1496.4 | 1501.1 | 1496.4 | 1487.3 | 1473.5 | 1412.7 | 1366.2 | 1335.5 | 1293.2 |
| -52.5° | 1316.9 | 1320.9 | 1323.1 | 1323.4 | 1323.1 | 1320.9 | 1316.9 | 1302.9 | 1286.1 | 1268.3 | 1251.2 |
| -55° | 1269.1 | 1277.0 | 1282.0 | 1283.3 | 1282.0 | 1277.0 | 1269.1 | 1248.7 | 1220.5 | 1190.3 | 1158.2 |
| -57.5° | 1144.1 | 1148.7 | 1153.7 | 1156.9 | 1153.7 | 1148.7 | 1144.1 | 1124.0 | 1093.4 | 1062.0 | 1026.6 |
| -60° | 994.4 | 998.6 | 999.4 | 996.6 | 999.4 | 998.6 | 994.4 | 979.1 | 953.4 | 924.2 | 891.9 |
| -62.5° | 851.5 | 855.4 | 859.2 | 860.6 | 859.2 | 855.4 | 851.5 | 838.4 | 814.2 | 786.9 | 756.3 |
| -65° | 704.3 | 706.2 | 707.1 | 705.4 | 707.1 | 706.2 | 704.3 | 693.5 | 670.4 | 645.1 | 618.2 |
| -67.5° | 556.5 | 560.3 | 565.7 | 569.4 | 565.7 | 560.3 | 556.5 | 547.5 | 528.2 | 508.6 | 489.6 |
| -70° | 428.7 | 427.0 | 430.6 | 433.4 | 430.6 | 427.0 | 428.7 | 424.5 | 406.7 | 389.4 | 373.6 |
| -72.5° | 309.1 | 307.3 | 306.0 | 303.6 | 306.0 | 307.3 | 309.1 | 307.6 | 295.9 | 283.3 | 270.2 |
| -75° | 221.0 | 218.8 | 218.4 | 217.8 | 218.4 | 218.8 | 221.0 | 221.5 | 213.8 | 205.6 | 197.5 |
| -77.5° | 180.0 | 179.1 | 178.0 | 176.6 | 178.0 | 179.1 | 180.0 | 179.9 | 173.0 | 166.1 | 160.0 |
| -80° | 157.2 | 157.2 | 156.6 | 155.8 | 156.6 | 157.2 | 157.2 | 156.7 | 151.7 | 146.6 | 141.4 |
| -82.5° | 139.8 | 139.8 | 139.4 | 138.8 | 139.4 | 139.8 | 139.8 | 139.5 | 134.6 | 129.7 | 125.7 |
| -85° | 122.7 | 122.9 | 122.4 | 121.9 | 122.4 | 122.9 | 122.7 | 122.5 | 118.6 | 114.6 | 110.9 |
| -87.5° | 107.4 | 107.8 | 107.5 | 107.2 | 107.5 | 107.8 | 107.4 | 107.1 | 103.9 | 100.7 | 97.8 |
| -90° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.9 | 1.1 | 1.1 |



REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90° | 87.5 | 85.8 | 84.1 | 83.3 | 82.4 | 80.7 | 79.0 | 76.8 | 74.5 | 71.7 | 68.8 |
| 87.5° | 1.1 | 1.4 | 1.6 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 2.0 | 2.3 |
| 85° | 1.6 | 1.7 | 1.7 | 1.9 | 2.1 | 2.1 | 2.1 | 2.1 | 2.0 | 2.1 | 2.3 |
| 82.5° | 1.7 | 1.9 | 2.1 | 2.2 | 2.3 | 2.3 | 2.3 | 2.4 | 2.4 | 2.4 | 2.4 |
| 80° | 2.2 | 2.2 | 2.3 | 2.3 | 2.3 | 2.4 | 2.5 | 2.6 | 2.8 | 2.8 | 2.7 |
| 77.5° | 1.9 | 2.2 | 2.3 | 2.4 | 2.5 | 2.7 | 2.8 | 2.8 | 2.9 | 3.1 | 3.1 |
| 75° | 2.6 | 3.0 | 3.4 | 3.4 | 3.3 | 3.0 | 2.9 | 3.1 | 3.2 | 3.3 | 3.4 |
| 72.5° | 8.0 | 7.4 | 7.0 | 6.7 | 6.2 | 6.0 | 5.8 | 5.3 | 4.7 | 3.9 | 3.4 |
| 70° | 14.5 | 13.9 | 13.5 | 13.5 | 13.5 | 13.2 | 11.6 | 9.7 | 8.2 | 7.1 | 5.7 |
| 67.5° | 17.6 | 18.3 | 19.1 | 19.7 | 19.3 | 19.2 | 17.8 | 15.7 | 15.1 | 13.7 | 10.0 |
| 65° | 16.2 | 17.6 | 18.6 | 18.9 | 19.2 | 20.2 | 21.7 | 21.2 | 22.1 | 21.2 | 16.6 |
| 62.5° | 11.5 | 13.5 | 14.6 | 15.4 | 15.6 | 16.6 | 19.5 | 22.5 | 26.9 | 28.2 | 22.9 |
| 60° | 6.7 | 7.9 | 9.3 | 10.6 | 11.5 | 13.6 | 16.9 | 21.8 | 28.1 | 27.7 | 25.5 |
| 57.5° | 4.3 | 5.2 | 6.5 | 7.6 | 8.0 | 10.4 | 13.9 | 20.1 | 26.4 | 26.2 | 23.0 |
| 55° | 5.7 | 6.7 | 7.3 | 8.5 | 9.1 | 10.8 | 12.7 | 17.8 | 23.8 | 25.8 | 24.7 |
| 52.5° | 11.3 | 15.1 | 16.2 | 14.8 | 14.7 | 15.5 | 16.5 | 20.6 | 24.2 | 27.1 | 28.2 |
| 50° | 57.6 | 63.4 | 55.9 | 44.8 | 46.5 | 32.6 | 36.2 | 35.4 | 33.8 | 35.3 | 34.3 |
| 47.5° | 176.2 | 163.0 | 150.0 | 138.3 | 123.9 | 107.3 | 103.4 | 79.9 | 77.6 | 57.7 | 57.5 |
| 45° | 303.9 | 288.7 | 267.0 | 248.7 | 239.3 | 220.8 | 208.3 | 190.4 | 154.8 | 138.2 | 96.1 |
| 42.5° | 552.4 | 467.3 | 393.1 | 359.6 | 326.5 | 311.9 | 302.3 | 290.6 | 271.6 | 238.1 | 199.1 |
| 40° | 939.2 | 838.7 | 697.4 | 516.5 | 438.0 | 386.2 | 368.0 | 364.0 | 354.5 | 336.4 | 295.3 |
| 37.5° | 1216.5 | 1159.4 | 1017.5 | 860.9 | 649.3 | 518.0 | 453.2 | 417.9 | 415.7 | 406.2 | 378.8 |
| 35° | 1277.3 | 1260.0 | 1232.4 | 1118.4 | 938.6 | 829.6 | 613.5 | 507.8 | 465.5 | 457.9 | 448.8 |
| 32.5° | 1357.3 | 1339.0 | 1314.4 | 1293.1 | 1246.9 | 1232.5 | 964.9 | 670.7 | 532.8 | 504.8 | 490.2 |
| 30° | 1442.2 | 1430.2 | 1413.7 | 1406.3 | 1410.0 | 1404.9 | 1342.5 | 968.6 | 682.2 | 550.2 | 533.6 |
| 27.5° | 1559.4 | 1526.8 | 1513.6 | 1526.3 | 1551.7 | 1566.6 | 1518.8 | 1334.1 | 893.1 | 674.4 | 577.0 |
| 25° | 1721.7 | 1672.7 | 1654.0 | 1682.4 | 1727.6 | 1745.7 | 1714.0 | 1592.7 | 1286.8 | 840.3 | 622.4 |
| 22.5° | 1937.3 | 1898.7 | 1889.7 | 1949.4 | 1962.9 | 1981.9 | 1923.1 | 1850.3 | 1685.8 | 1090.7 | 760.8 |
| 20° | 2247.4 | 2157.7 | 2154.0 | 2166.5 | 2166.2 | 2157.1 | 2085.2 | 2019.6 | 1839.4 | 1412.9 | 915.9 |
| 17.5° | 2894.2 | 2415.4 | 2343.6 | 2318.9 | 2298.2 | 2247.6 | 2205.4 | 2104.2 | 1973.8 | 1684.8 | 1066.3 |
| 15° | 4179.5 | 2955.2 | 2560.3 | 2504.7 | 2470.0 | 2415.2 | 2361.2 | 2244.3 | 2121.6 | 1853.3 | 1281.9 |
| 12.5° | 8050.3 | 3790.6 | 2751.7 | 2623.5 | 2595.9 | 2552.5 | 2486.0 | 2429.1 | 2266.6 | 2005.5 | 1504.7 |
| 10° | 11352.7 | 5498.3 | 3284.3 | 2761.5 | 2666.2 | 2606.8 | 2555.0 | 2497.5 | 2361.2 | 2143.0 | 1722.6 |
| 7.5° | 15793.6 | 8026.6 | 3887.2 | 2900.5 | 2755.7 | 2656.3 | 2589.3 | 2532.1 | 2421.3 | 2201.5 | 1867.1 |
| 5° | 19323.8 | 9852.0 | 4355.5 | 3037.3 | 2871.5 | 2753.3 | 2629.3 | 2568.2 | 2458.4 | 2223.7 | 1962.4 |
| 2.5° | 21428.9 | 11027.2 | 4637.6 | 3115.9 | 2956.6 | 2880.4 | 2693.9 | 2603.7 | 2472.6 | 2238.8 | 2022.8 |
| 0° | 22665.5 | 11608.4 | 4921.6 | 3156.9 | 2996.6 | 2950.9 | 2795.7 | 2637.1 | 2467.3 | 2243.8 | 2051.9 |
| -2.5° | 23638.4 | 12201.4 | 5064.2 | 3237.0 | 3058.4 | 3007.7 | 2910.8 | 2766.1 | 2495.8 | 2249.9 | 2069.0 |
| -5° | 22551.3 | 11608.4 | 5048.5 | 3286.5 | 3112.0 | 3062.8 | 2985.9 | 2850.4 | 2539.1 | 2263.5 | 2056.6 |
| -7.5° | 19918.4 | 10032.1 | 4750.1 | 3328.5 | 3168.5 | 3117.1 | 3037.0 | 2903.3 | 2628.2 | 2333.1 | 2027.6 |
| -10° | 15633.8 | 7658.4 | 4204.2 | 3368.1 | 3241.8 | 3174.4 | 3086.9 | 2918.7 | 2665.5 | 2388.1 | 1966.8 |
| -12.5° | 11488.9 | 5825.1 | 3691.5 | 3384.9 | 3326.7 | 3240.1 | 3132.0 | 2913.1 | 2688.5 | 2461.9 | 1926.6 |
| -15° | 7439.7 | 4606.0 | 3623.0 | 3445.2 | 3381.0 | 3284.0 | 3154.8 | 2898.1 | 2693.7 | 2506.9 | 1831.5 |
| -17.5° | 5247.8 | 3783.4 | 3530.7 | 3472.3 | 3401.7 | 3308.3 | 3115.5 | 2880.4 | 2670.8 | 2378.3 | 1636.0 |
| -20° | 3833.6 | 3647.0 | 3578.3 | 3511.8 | 3416.7 | 3311.0 | 3053.1 | 2846.9 | 2610.4 | 2113.7 | 1464.8 |



REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 3650.7 | 3645.0 | 3639.9 | 3563.5 | 3460.7 | 3240.1 | 3000.3 | 2792.8 | 2520.9 | 1852.3 | 1298.3 |
| -25° | 3632.4 | 3661.3 | 3659.4 | 3606.5 | 3447.3 | 3190.7 | 2963.7 | 2699.5 | 2224.5 | 1625.0 | 1143.5 |
| -27.5° | 3637.2 | 3659.1 | 3661.8 | 3583.3 | 3389.2 | 3148.0 | 2901.7 | 2551.0 | 1859.9 | 1382.8 | 1138.4 |
| -30° | 3630.3 | 3645.3 | 3609.5 | 3493.2 | 3298.0 | 3073.4 | 2825.9 | 2163.3 | 1574.0 | 1198.2 | 1123.5 |
| -32.5° | 3619.2 | 3586.9 | 3514.2 | 3348.1 | 3171.0 | 2981.8 | 2422.3 | 1780.8 | 1305.8 | 1177.1 | 1111.6 |
| -35° | 3564.5 | 3462.5 | 3317.9 | 3173.8 | 3047.5 | 2556.2 | 1978.6 | 1443.3 | 1226.4 | 1154.0 | 1099.1 |
| -37.5° | 3395.9 | 3247.5 | 3097.1 | 2923.6 | 2520.2 | 2037.5 | 1517.2 | 1279.7 | 1192.0 | 1139.5 | 1064.3 |
| -40° | 3122.5 | 2965.4 | 2654.8 | 2317.4 | 1911.9 | 1454.7 | 1307.5 | 1228.9 | 1176.6 | 1107.6 | 1015.1 |
| -42.5° | 2606.7 | 2313.4 | 2017.3 | 1668.0 | 1370.6 | 1310.6 | 1252.1 | 1207.4 | 1142.6 | 1051.6 | 950.1 |
| -45° | 1905.4 | 1636.1 | 1386.0 | 1343.1 | 1295.3 | 1260.6 | 1228.0 | 1160.5 | 1080.6 | 980.2 | 879.4 |
| -47.5° | 1354.4 | 1324.9 | 1291.8 | 1276.7 | 1256.4 | 1223.3 | 1157.7 | 1087.0 | 994.9 | 898.1 | 804.8 |
| -50° | 1266.6 | 1257.7 | 1250.1 | 1233.6 | 1185.5 | 1131.4 | 1064.7 | 994.5 | 905.8 | 816.3 | 727.9 |
| -52.5° | 1230.2 | 1200.0 | 1168.3 | 1131.5 | 1079.9 | 1019.7 | 957.0 | 894.1 | 816.5 | 732.1 | 648.7 |
| -55° | 1124.0 | 1088.0 | 1051.4 | 1007.5 | 959.2 | 907.5 | 854.2 | 791.6 | 722.0 | 643.6 | 568.1 |
| -57.5° | 988.9 | 953.4 | 922.9 | 885.5 | 842.0 | 794.5 | 741.3 | 682.3 | 623.8 | 554.2 | 486.6 |
| -60° | 858.0 | 823.5 | 796.6 | 762.3 | 721.3 | 675.8 | 627.3 | 576.4 | 522.3 | 472.5 | 420.3 |
| -62.5° | 727.3 | 698.3 | 669.4 | 637.0 | 600.8 | 561.6 | 520.2 | 481.8 | 442.1 | 399.1 | 351.3 |
| -65° | 592.2 | 564.4 | 538.2 | 516.4 | 490.6 | 462.8 | 429.8 | 395.7 | 359.9 | 321.9 | 280.4 |
| -67.5° | 469.8 | 449.1 | 430.7 | 412.5 | 390.2 | 366.8 | 338.8 | 309.0 | 279.8 | 250.4 | 217.9 |
| -70° | 356.8 | 340.1 | 323.4 | 305.5 | 290.1 | 275.4 | 255.7 | 233.8 | 209.2 | 188.8 | 170.4 |
| -72.5° | 257.3 | 245.3 | 233.2 | 222.5 | 210.0 | 200.3 | 190.8 | 179.1 | 165.0 | 149.4 | 136.6 |
| -75° | 189.4 | 182.8 | 176.8 | 172.2 | 166.2 | 158.8 | 152.7 | 145.9 | 138.7 | 131.1 | 123.5 |
| -77.5° | 154.3 | 151.3 | 148.3 | 146.0 | 143.4 | 140.1 | 135.9 | 130.3 | 124.7 | 118.5 | 112.2 |
| -80° | 136.5 | 134.0 | 131.4 | 129.8 | 127.8 | 125.6 | 122.9 | 118.1 | 113.1 | 107.4 | 101.9 |
| -82.5° | 121.7 | 119.3 | 117.0 | 115.4 | 113.8 | 111.8 | 109.6 | 105.5 | 101.4 | 96.8 | 92.3 |
| -85° | 107.2 | 105.4 | 103.5 | 102.1 | 100.6 | 98.7 | 96.7 | 93.6 | 90.4 | 86.4 | 82.5 |
| -87.5° | 94.9 | 93.4 | 91.8 | 90.5 | 89.2 | 87.6 | 85.9 | 83.5 | 81.0 | 77.7 | 74.4 |
| -90° | 1.1 | 1.1 | 1.1 | 1.4 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 2.0 | 2.3 |



REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 90° | 66.0 | 63.2 | 60.7 | 58.1 | 55.9 | 53.6 | 51.1 | 48.5 | 45.2 | 41.8 | 37.6 |
| 87.5° | 2.3 | 2.3 | 2.5 | 2.6 | 2.6 | 2.6 | 2.7 | 2.8 | 2.8 | 2.8 | 2.9 |
| 85° | 2.4 | 2.5 | 2.6 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 3.0 |
| 82.5° | 2.6 | 2.8 | 2.8 | 2.8 | 3.0 | 3.1 | 3.0 | 3.0 | 2.9 | 2.8 | 3.1 |
| 80° | 2.7 | 2.8 | 2.9 | 3.0 | 3.2 | 3.4 | 3.3 | 3.2 | 3.3 | 3.3 | 3.3 |
| 77.5° | 3.0 | 3.0 | 3.2 | 3.3 | 3.3 | 3.4 | 3.5 | 3.5 | 3.7 | 3.7 | 3.6 |
| 75° | 3.4 | 3.3 | 3.3 | 3.4 | 3.5 | 3.5 | 3.7 | 3.8 | 3.9 | 4.0 | 3.8 |
| 72.5° | 3.4 | 3.5 | 3.5 | 3.5 | 3.7 | 3.8 | 3.9 | 4.1 | 4.2 | 4.2 | 4.1 |
| 70° | 4.4 | 3.8 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.4 | 4.3 |
| 67.5° | 6.3 | 5.2 | 4.6 | 4.3 | 4.3 | 4.5 | 4.5 | 4.7 | 4.8 | 4.7 | 4.6 |
| 65° | 12.2 | 8.4 | 5.6 | 5.3 | 4.9 | 4.9 | 5.0 | 5.2 | 5.2 | 5.3 | 4.9 |
| 62.5° | 17.9 | 13.2 | 9.7 | 7.1 | 6.1 | 6.3 | 5.6 | 6.1 | 5.8 | 5.9 | 5.5 |
| 60° | 23.4 | 18.1 | 14.2 | 11.2 | 9.1 | 8.2 | 7.8 | 7.1 | 7.0 | 6.6 | 6.3 |
| 57.5° | 22.9 | 22.1 | 20.0 | 16.1 | 13.8 | 11.7 | 10.5 | 9.5 | 8.4 | 8.0 | 7.2 |
| 55° | 22.6 | 22.6 | 25.0 | 22.6 | 19.8 | 16.6 | 14.6 | 12.7 | 10.5 | 9.7 | 8.2 |
| 52.5° | 26.3 | 26.8 | 28.9 | 30.2 | 28.1 | 23.1 | 21.0 | 16.2 | 14.4 | 11.4 | 10.0 |
| 50° | 32.7 | 35.6 | 36.0 | 39.2 | 37.5 | 34.2 | 28.1 | 23.2 | 18.7 | 14.0 | 11.9 |
| 47.5° | 49.5 | 52.3 | 49.5 | 52.1 | 49.6 | 46.9 | 39.5 | 31.5 | 23.3 | 18.4 | 13.9 |
| 45° | 95.0 | 79.3 | 76.7 | 72.3 | 66.6 | 63.4 | 53.5 | 40.6 | 31.7 | 23.2 | 16.0 |
| 42.5° | 158.4 | 136.1 | 123.5 | 96.8 | 94.0 | 82.7 | 69.9 | 55.2 | 40.7 | 28.3 | 19.5 |
| 40° | 247.4 | 214.3 | 184.5 | 154.3 | 128.0 | 104.5 | 90.8 | 71.8 | 50.2 | 34.8 | 24.1 |
| 37.5° | 333.9 | 294.5 | 260.3 | 215.4 | 171.5 | 140.2 | 113.7 | 89.6 | 62.6 | 44.2 | 28.9 |
| 35° | 405.8 | 369.0 | 323.1 | 275.0 | 228.9 | 176.5 | 138.4 | 109.5 | 79.2 | 54.0 | 33.9 |
| 32.5° | 464.8 | 427.6 | 375.0 | 326.2 | 274.5 | 212.8 | 168.4 | 130.6 | 96.1 | 64.2 | 39.0 |
| 30° | 508.9 | 473.5 | 423.4 | 366.6 | 311.7 | 250.5 | 198.4 | 150.7 | 113.1 | 74.8 | 45.0 |
| 27.5° | 554.6 | 520.6 | 470.4 | 407.5 | 343.7 | 283.0 | 223.1 | 169.7 | 130.3 | 85.7 | 52.8 |
| 25° | 600.2 | 565.3 | 518.9 | 452.8 | 375.8 | 308.5 | 245.5 | 187.8 | 146.6 | 97.2 | 60.2 |
| 22.5° | 640.1 | 606.6 | 567.2 | 500.7 | 412.0 | 333.1 | 266.5 | 207.4 | 157.6 | 107.7 | 67.2 |
| 20° | 676.9 | 641.7 | 612.5 | 541.2 | 451.5 | 362.7 | 287.1 | 222.6 | 167.8 | 117.3 | 73.7 |
| 17.5° | 729.3 | 672.9 | 636.0 | 572.3 | 488.6 | 393.1 | 308.3 | 237.0 | 177.2 | 126.0 | 79.7 |
| 15° | 849.3 | 703.5 | 659.3 | 599.7 | 518.9 | 421.8 | 329.6 | 250.9 | 185.7 | 133.8 | 85.0 |
| 12.5° | 959.0 | 732.5 | 683.6 | 623.2 | 541.7 | 446.9 | 350.5 | 264.0 | 193.3 | 141.1 | 89.6 |
| 10° | 1069.9 | 760.7 | 707.4 | 646.0 | 561.1 | 468.7 | 370.6 | 277.5 | 202.8 | 148.1 | 93.6 |
| 7.5° | 1191.4 | 788.3 | 729.7 | 667.8 | 578.0 | 486.4 | 388.1 | 292.9 | 211.9 | 154.4 | 97.1 |
| 5° | 1301.8 | 813.7 | 752.8 | 692.0 | 595.0 | 500.4 | 403.1 | 307.1 | 220.3 | 159.9 | 100.1 |
| 2.5° | 1379.2 | 835.3 | 775.6 | 714.8 | 609.7 | 511.6 | 415.7 | 319.8 | 227.8 | 164.5 | 102.5 |
| 0° | 1436.8 | 854.4 | 796.3 | 734.8 | 621.9 | 520.3 | 426.1 | 330.7 | 234.2 | 168.2 | 104.4 |
| -2.5° | 1434.4 | 870.4 | 813.3 | 754.1 | 644.4 | 533.1 | 432.8 | 336.4 | 241.0 | 173.3 | 108.2 |
| -5° | 1409.9 | 884.5 | 828.7 | 770.4 | 663.4 | 543.0 | 437.3 | 340.3 | 246.5 | 177.4 | 111.4 |
| -7.5° | 1379.6 | 900.3 | 843.2 | 783.5 | 677.9 | 549.7 | 439.5 | 342.4 | 250.6 | 180.3 | 113.9 |
| -10° | 1329.6 | 915.8 | 856.7 | 789.8 | 680.9 | 553.7 | 440.3 | 342.7 | 253.4 | 182.1 | 115.6 |
| -12.5° | 1267.8 | 930.1 | 868.1 | 792.4 | 679.3 | 555.5 | 443.2 | 342.3 | 254.6 | 182.6 | 116.5 |
| -15° | 1185.8 | 949.1 | 882.1 | 791.6 | 674.8 | 554.8 | 442.9 | 340.0 | 252.5 | 181.3 | 116.5 |
| -17.5° | 1070.0 | 963.3 | 895.5 | 788.9 | 667.9 | 551.6 | 439.2 | 334.9 | 249.0 | 178.0 | 115.3 |
| -20° | 1056.2 | 976.4 | 902.9 | 780.4 | 658.1 | 544.7 | 431.8 | 327.1 | 243.9 | 173.5 | 113.1 |



REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -22.5° | 1065.7 | 991.3 | 899.3 | 766.1 | 646.2 | 534.6 | 421.2 | 316.6 | 237.3 | 167.9 | 110.1 |
| -25° | 1067.7 | 1005.6 | 894.1 | 758.3 | 632.3 | 520.4 | 408.9 | 306.4 | 229.2 | 161.2 | 106.5 |
| -27.5° | 1066.9 | 1003.0 | 886.0 | 741.8 | 617.2 | 503.0 | 395.2 | 299.2 | 222.5 | 153.3 | 102.0 |
| -30° | 1064.4 | 976.0 | 857.5 | 718.0 | 596.2 | 483.3 | 379.3 | 290.3 | 215.0 | 147.0 | 96.9 |
| -32.5° | 1049.7 | 945.9 | 820.8 | 691.0 | 571.2 | 461.1 | 361.8 | 279.3 | 205.8 | 141.8 | 93.6 |
| -35° | 1011.2 | 905.0 | 783.3 | 659.8 | 543.7 | 439.7 | 344.6 | 266.5 | 195.0 | 135.2 | 90.9 |
| -37.5° | 969.0 | 854.1 | 745.2 | 625.8 | 513.5 | 415.7 | 328.6 | 252.4 | 182.6 | 127.3 | 87.7 |
| -40° | 907.9 | 798.6 | 695.0 | 587.8 | 482.6 | 388.8 | 310.1 | 236.7 | 171.3 | 118.1 | 83.8 |
| -42.5° | 843.9 | 740.5 | 641.9 | 542.8 | 449.4 | 364.6 | 289.3 | 218.9 | 159.3 | 111.2 | 79.1 |
| -45° | 779.0 | 680.6 | 586.6 | 498.6 | 413.8 | 337.5 | 266.8 | 199.6 | 145.7 | 105.0 | 75.5 |
| -47.5° | 710.4 | 618.9 | 532.6 | 451.4 | 380.1 | 307.7 | 240.8 | 182.4 | 130.7 | 97.8 | 74.0 |
| -50° | 639.7 | 556.0 | 477.9 | 407.5 | 341.7 | 275.5 | 213.7 | 163.4 | 121.3 | 89.7 | 72.3 |
| -52.5° | 568.2 | 492.4 | 425.6 | 363.5 | 301.4 | 240.4 | 189.1 | 143.1 | 111.1 | 85.4 | 70.3 |
| -55° | 495.3 | 433.7 | 375.6 | 317.3 | 259.2 | 209.1 | 162.8 | 129.5 | 99.9 | 82.7 | 68.2 |
| -57.5° | 431.9 | 377.9 | 323.0 | 268.7 | 220.6 | 177.5 | 142.6 | 115.2 | 94.5 | 79.7 | 66.8 |
| -60° | 369.5 | 318.7 | 267.9 | 224.7 | 184.1 | 151.0 | 125.9 | 103.5 | 90.6 | 76.7 | 65.2 |
| -62.5° | 304.5 | 259.4 | 220.2 | 182.6 | 154.3 | 131.0 | 110.5 | 98.2 | 86.2 | 74.4 | 63.4 |
| -65° | 243.5 | 207.4 | 173.9 | 152.4 | 131.2 | 113.7 | 103.9 | 92.5 | 82.5 | 71.9 | 61.5 |
| -67.5° | 185.3 | 165.4 | 145.6 | 126.3 | 115.1 | 106.0 | 96.9 | 87.9 | 79.0 | 69.2 | 59.4 |
| -70° | 152.0 | 134.2 | 122.8 | 114.5 | 106.3 | 98.3 | 91.3 | 83.5 | 75.2 | 66.6 | 57.1 |
| -72.5° | 128.3 | 120.1 | 112.3 | 104.9 | 98.5 | 92.1 | 85.8 | 79.0 | 71.7 | 63.8 | 54.8 |
| -75° | 115.8 | 109.2 | 103.3 | 97.4 | 91.5 | 85.7 | 80.5 | 74.8 | 68.0 | 60.9 | 52.3 |
| -77.5° | 106.2 | 100.4 | 95.1 | 90.0 | 85.0 | 80.2 | 75.5 | 70.3 | 64.1 | 57.6 | 49.7 |
| -80° | 96.9 | 92.0 | 87.5 | 82.9 | 78.7 | 74.6 | 70.1 | 65.6 | 60.0 | 54.3 | 47.0 |
| -82.5° | 88.1 | 83.9 | 79.7 | 75.5 | 71.8 | 68.1 | 64.3 | 60.6 | 55.7 | 50.7 | 44.4 |
| -85° | 78.9 | 75.4 | 71.7 | 67.9 | 64.7 | 61.4 | 58.8 | 56.1 | 52.0 | 47.8 | 42.2 |
| -87.5° | 71.5 | 68.6 | 65.6 | 62.6 | 60.1 | 57.5 | 55.0 | 52.3 | 48.6 | 44.8 | 39.9 |
| -90° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.6 | 2.8 | 2.8 | 2.8 | 2.8 |



REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|------|-------|------|-------|------|-------|-----|
| 90° | 33.3 | 27.6 | 22.0 | 15.5 | 9.0 | 5.9 | 2.8 |
| 87.5° | 3.0 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.8 |
| 85° | 3.1 | 3.1 | 3.0 | 3.0 | 3.0 | 3.0 | 2.8 |
| 82.5° | 3.3 | 3.2 | 3.1 | 3.2 | 3.1 | 3.0 | 2.8 |
| 80° | 3.4 | 3.3 | 3.2 | 3.3 | 3.2 | 3.1 | 2.8 |
| 77.5° | 3.6 | 3.5 | 3.3 | 3.4 | 3.3 | 3.2 | 2.8 |
| 75° | 3.7 | 3.7 | 3.5 | 3.5 | 3.4 | 3.3 | 2.8 |
| 72.5° | 3.9 | 3.8 | 3.7 | 3.6 | 3.6 | 3.3 | 2.8 |
| 70° | 4.1 | 4.0 | 3.9 | 3.8 | 3.7 | 3.4 | 2.8 |
| 67.5° | 4.4 | 4.2 | 4.1 | 3.9 | 3.8 | 3.5 | 2.8 |
| 65° | 4.8 | 4.5 | 4.3 | 4.1 | 3.9 | 3.6 | 2.8 |
| 62.5° | 5.1 | 4.8 | 4.5 | 4.2 | 4.0 | 3.6 | 2.8 |
| 60° | 5.5 | 5.2 | 4.6 | 4.4 | 4.1 | 3.7 | 2.8 |
| 57.5° | 6.4 | 5.5 | 5.0 | 4.5 | 4.3 | 3.8 | 2.8 |
| 55° | 7.5 | 5.9 | 5.4 | 4.7 | 4.5 | 3.9 | 2.8 |
| 52.5° | 8.6 | 6.4 | 5.9 | 4.8 | 4.6 | 3.9 | 2.8 |
| 50° | 9.8 | 7.6 | 6.3 | 4.9 | 4.8 | 4.0 | 2.8 |
| 47.5° | 11.2 | 8.8 | 6.8 | 5.1 | 5.0 | 4.1 | 2.8 |
| 45° | 13.0 | 10.1 | 7.3 | 5.5 | 5.3 | 4.2 | 2.8 |
| 42.5° | 14.8 | 11.4 | 7.8 | 5.9 | 5.5 | 4.2 | 2.8 |
| 40° | 16.8 | 12.8 | 8.6 | 6.5 | 5.7 | 4.3 | 2.8 |
| 37.5° | 18.9 | 14.2 | 9.7 | 7.1 | 6.0 | 4.4 | 2.8 |
| 35° | 21.0 | 15.8 | 10.8 | 7.8 | 6.3 | 4.4 | 2.8 |
| 32.5° | 23.8 | 17.5 | 11.8 | 8.5 | 6.5 | 4.5 | 2.8 |
| 30° | 28.0 | 19.2 | 12.9 | 9.3 | 6.8 | 4.6 | 2.8 |
| 27.5° | 32.1 | 20.9 | 14.3 | 10.0 | 7.1 | 4.6 | 2.8 |
| 25° | 36.2 | 22.6 | 15.6 | 10.8 | 7.4 | 4.7 | 2.8 |
| 22.5° | 40.2 | 24.4 | 16.9 | 11.6 | 7.7 | 4.7 | 2.8 |
| 20° | 44.0 | 26.2 | 18.2 | 12.3 | 8.0 | 4.8 | 2.8 |
| 17.5° | 47.6 | 27.9 | 19.5 | 13.1 | 8.3 | 4.8 | 2.8 |
| 15° | 50.7 | 29.6 | 20.6 | 13.9 | 8.6 | 4.9 | 2.8 |
| 12.5° | 53.6 | 31.2 | 21.8 | 14.7 | 8.9 | 4.9 | 2.8 |
| 10° | 56.3 | 32.7 | 22.8 | 15.4 | 9.2 | 5.0 | 2.8 |
| 7.5° | 58.6 | 34.1 | 23.8 | 16.1 | 9.5 | 5.0 | 2.8 |
| 5° | 60.6 | 35.5 | 24.8 | 16.8 | 9.7 | 5.0 | 2.8 |
| 2.5° | 62.4 | 36.7 | 25.7 | 17.5 | 10.0 | 5.1 | 2.8 |
| 0° | 63.8 | 37.8 | 26.5 | 18.1 | 10.2 | 5.1 | 2.8 |
| -2.5° | 65.8 | 39.4 | 27.7 | 18.9 | 10.7 | 5.3 | 2.8 |
| -5° | 67.5 | 40.8 | 28.8 | 19.6 | 11.2 | 5.5 | 2.8 |
| -7.5° | 68.9 | 42.2 | 29.8 | 20.3 | 11.7 | 5.7 | 2.8 |
| -10° | 70.0 | 43.4 | 30.7 | 21.0 | 12.2 | 5.9 | 2.8 |
| -12.5° | 70.7 | 44.4 | 31.6 | 21.6 | 12.6 | 6.1 | 2.8 |
| -15° | 71.0 | 45.4 | 32.4 | 22.1 | 13.0 | 6.3 | 2.8 |
| -17.5° | 71.0 | 46.2 | 33.0 | 22.6 | 13.4 | 6.5 | 2.8 |
| -20° | 70.7 | 46.8 | 33.6 | 23.1 | 13.7 | 6.6 | 2.8 |



REPORT NUMBER: P413543 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-0320L-40-80-2S-VHE

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|------|-------|------|-------|------|-------|-----|
| -22.5° | 70.2 | 47.3 | 34.1 | 23.4 | 14.0 | 6.8 | 2.8 |
| -25° | 69.2 | 47.7 | 34.5 | 23.8 | 14.3 | 6.9 | 2.8 |
| -27.5° | 67.9 | 48.0 | 34.8 | 24.0 | 14.5 | 7.1 | 2.8 |
| -30° | 66.1 | 48.2 | 35.0 | 24.3 | 14.7 | 7.2 | 2.8 |
| -32.5° | 63.9 | 48.2 | 35.3 | 24.4 | 14.9 | 7.3 | 2.8 |
| -35° | 63.0 | 48.0 | 35.5 | 24.5 | 15.0 | 7.4 | 2.8 |
| -37.5° | 62.6 | 47.8 | 35.5 | 24.5 | 15.1 | 7.5 | 2.8 |
| -40° | 62.1 | 47.8 | 35.5 | 24.5 | 15.1 | 7.5 | 2.8 |
| -42.5° | 61.3 | 47.7 | 35.5 | 24.5 | 15.1 | 7.6 | 2.8 |
| -45° | 60.3 | 47.4 | 35.4 | 24.5 | 15.0 | 7.6 | 2.8 |
| -47.5° | 59.1 | 47.0 | 35.3 | 24.4 | 14.9 | 7.6 | 2.8 |
| -50° | 58.3 | 46.5 | 35.1 | 24.3 | 14.8 | 7.6 | 2.8 |
| -52.5° | 57.5 | 45.9 | 34.8 | 24.1 | 14.6 | 7.6 | 2.8 |
| -55° | 56.5 | 45.3 | 34.4 | 23.8 | 14.4 | 7.6 | 2.8 |
| -57.5° | 55.4 | 44.5 | 33.9 | 23.5 | 14.1 | 7.5 | 2.8 |
| -60° | 54.1 | 43.6 | 33.3 | 23.1 | 13.8 | 7.5 | 2.8 |
| -62.5° | 52.8 | 42.6 | 32.6 | 22.7 | 13.6 | 7.4 | 2.8 |
| -65° | 51.3 | 41.5 | 31.9 | 22.2 | 13.3 | 7.3 | 2.8 |
| -67.5° | 49.6 | 40.3 | 31.1 | 21.6 | 13.0 | 7.2 | 2.8 |
| -70° | 47.8 | 39.0 | 30.2 | 21.0 | 12.7 | 7.1 | 2.8 |
| -72.5° | 46.0 | 37.5 | 29.2 | 20.4 | 12.3 | 7.0 | 2.8 |
| -75° | 44.1 | 36.0 | 28.1 | 19.9 | 11.9 | 6.9 | 2.8 |
| -77.5° | 42.0 | 34.5 | 27.2 | 19.2 | 11.5 | 6.7 | 2.8 |
| -80° | 39.9 | 33.1 | 26.3 | 18.6 | 11.0 | 6.6 | 2.8 |
| -82.5° | 38.3 | 31.8 | 25.3 | 17.9 | 10.6 | 6.4 | 2.8 |
| -85° | 36.7 | 30.5 | 24.3 | 17.1 | 10.1 | 6.3 | 2.8 |
| -87.5° | 35.0 | 29.1 | 23.2 | 16.3 | 9.5 | 6.1 | 2.8 |
| -90° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |

(END OF REPORT)